### BEFORE THE PUBLIC SERVICE COMMISSION OF SOUTH CAROLINA

### **DOCKET NO. 2019-1-E**

In the Matter of	DIRECT TESTIMONY OF
Annual Review of Base Rates	DANA M. HARRINGTON FOR
for Fuel Costs for	<b>)</b>
Duke Energy Progress, LLC	DUKE ENERGY PROGRESS, LLC

- Q. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.
- 2 A. My name is Dana M. Harrington, and my business address is 550 South Tryon
- 3 Street, Charlotte, North Carolina.
- 4 Q. BY WHOM ARE YOU EMPLOYED AND IN WHAT CAPACITY?
- 5 A. I am a Rates Manager supporting both Duke Energy Progress, LLC ("DEP" or the
- 6 "Company") and Duke Energy Carolinas, LLC ("DEC") (collectively, the
- 7 "Companies").

1

- 8 Q. PLEASE DESCRIBE YOUR EDUCATIONAL BACKGROUND AND
- 9 **PROFESSIONAL EXPERIENCE.**
- 10 A. I received a Bachelor of Arts degree in Psychology with Honors from the University
- of North Carolina at Chapel Hill and I am a certified public accountant licensed in
- the State of North Carolina. I began my accounting career in 2005 with Greer and
- Walker, LLC as a tax accountant and later a staff auditor. From 2007 until 2010 I
- was an Accounting Analyst with Duke Energy in the Finance organization. In 2010,
- I joined the Rates Department as a Lead Accounting Analyst where I have spent
- the past eight years. I was recently promoted to the position of Rates and
- 17 Regulatory Strategy Manager.
- 18 Q. HAVE YOU TESTIFIED BEFORE THIS COMMISSION IN ANY PRIOR
- 19 **PROCEEDINGS?**
- 20 A. No.
- 21 Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY?
- 22 A. The purpose of my testimony is to provide DEP's actual fuel, capacity-related costs
- including Public Utility Regulatory Policies Act of 1978 ("PURPA") capacity,

1	environmental, and Distributed Energy Resource Program ("DERP") cost data for
2	March 1, 2018 through February 28, 2019 (the "review period"), the estimated fuel
3	capacity-related costs, environmental and DERP cost information for March 1
4	2019 through June 30, 2019 (the "estimated period"), and DEP's proposed fue
5	factors by customer class for July 1, 2019 through June 30, 2020 (the "billing
6	period"). I have provided fourteen exhibits to support my testimony.

### Q. WHAT IS THE SOURCE OF THE ACTUAL INFORMATION AND DATA FOR THE REVIEW PERIOD?

A. Actual test period kilowatt hour ("kWh") generation, kilowatt ("kW") and kWh sales, fuel-related revenues, fuel-related expenses, and DERP revenues and expenses were taken from DEP's books and records. These books, records, and reports of DEP are subject to review by the appropriate regulatory agencies in the three jurisdictions that regulate DEP's electric rates.

In addition, independent auditors perform an annual audit to provide assurance that, in all material respects, internal accounting controls are operating effectively and DEP's financial statements are accurate.

### Q. DOES DEP PURCHASE POWER AND HOW ARE THESE COSTS RECORDED?

Yes. The Company continuously evaluates purchasing power if it can be reliably procured and delivered at a price that is less than the variable cost of DEP's generation. In accordance with S.C. Code Ann. § 58-27-865(A), from its South Carolina retail customers, DEP recovers an amount that is the lower of the purchase price or DEP's avoided variable cost for generating an equivalent amount of power.

9

10

11

12

13

14

15

16

19

20

21

22

23

A.

The Company also engages in economy purchases (and economy sales) with DEC as a result of the Joint Dispatch Agreement.

The Company also purchases power from certain suppliers that are treated as firm generation capacity purchases. In accordance with S.C. Code Ann. § 58-27-865(A)(2)(a), all amounts paid to these suppliers are recorded as recoverable fuel costs with the exception of capacity charges.

Finally, the Company routinely purchases power from qualifying facilities under PURPA. According to Act 236, set forth in S.C. Code Ann. § 58-27-865(A), the avoided cost payments for such purchases are included in fuel costs recoverable from South Carolina retail customers.

### Q. PLEASE EXPLAIN HARRINGTON EXHIBIT NO. 1.

A.

Harrington Exhibit No. 1 is a summary of DEP's proposed fuel rate components for the billing period. The components are: (1) base fuel costs, (2) capacity-related costs, (3) DERP avoided costs, (4) variable environmental costs, and (5) DERP incremental costs. Harrington Exhibit No. 1 presents proposed fuel rates for residential customers including an amount added to account for the 5% discount provided to residential customers under DEP's SC Residential Service Energy Conservation Discount Rider RECD-2C. As shown on Harrington Exhibit No. 6, this discount impacts approximately 14.5% of DEP's South Carolina residential sales. These fuel rate components are supported by Harrington Exhibit Nos. 2 through 14 and are individually discussed further in this testimony.

The following table shows the rates and monthly charges proposed by the Company in this proceeding as reflected on Harrington Exhibit No. 1. The DERP

incremental cost component is computed as a dollar amount per customer account since these amounts are subject to per-account cost caps established by Act 236. All other fuel components are computed as a cents per kWh rate or a cents per kW rate depending on the customer class.

	Cents / kWh									
		General Service		General Service						
Description	Residential	(non-demand)	Lighting	(demand)						
Base Fuel Costs										
	0.125	0.125	0.125	0.125						
Base Fuel Cost Component (Over) / Under Collection at June 2019	1.950	1.950	1.950							
Base Fuel Cost Component Projected Billing Period  Total Base Fuel Cost Component	2.075	2.075	2.075	1.950 2.075						
Total Base Fuel Cost Component Increased for RECD	2.075	2.075	2.075	2.073						
Total base ruel cost component increased for RECD	2.090									
Capacity Related Cost		Cents / kWh		Cents / kW						
Capacity Related Cost Component (Over) / Under Collection at June 2019	0.040	(0.001)	0.000	3						
Capacity Related Cost Component Projected Billing Period	0.652	0.523	0.000	89						
Total Capacity Related Cost Component	0.692	0.522	0.000	92						
Total Capacity Related Cost Component Increased for RECD	0.697									
Distributed Energy Resource Program (DERP) Avoided Costs		Cents / kWh		Cents / kW						
DERP Avoided Cost (Over) / Under Collection at June 2019	0.000	0.001	0.000	Cents / RVV						
, , , ,			0.000	0						
DERP Avoided Costs Projected Billing Period	0.003	0.002	0.000							
Total DERP Avoided Cost Component		0.003	0.000							
Total DERP Avoided Cost Component Increased for RECD	0.003									
Environmental Costs		Cents / kWh		Cents / kW						
Environmental Component (Over) / Under Collection at June 2019	0.015	0.010	N/A	. 2						
Environmental Component Projected Billing Period	0.059	0.047	N/A	. 8						
Total Environmental Component	0.074	0.057	N/A	10						
Total Environmental Cost Component Increased for RECD	0.075									
Total Fuel Cost Factor - Cents/kWh	2,865	2.657	2.075	2.075						
Total Demand Fuel Cost Factor - Cents/ kW	2.005	2.057	2.0/5	102						
Total Demand Laci Cost Lactor - Cents, KW				102						
		Dol								
Distributed Energy Resource Program Incremental Cost per Account	Residential	Commercial	Industrial							
DERP Incremental (Over) / Under Collection at June 2019										
Annual Charge	\$ 2.24	\$ 3.96	\$ 263.24							
Monthly Charge	\$ 0.19	\$ 0.33	\$ 21.94							
DERP Incremental Projected Billing Period										
Annual Charge	\$ 16.53	\$ 29.25	\$ 2,140.53							
Monthly Charge	\$ 1.38	\$ 2.44	\$ 178.38							
Total DERP Annual Charge - Excluding GRT	\$ 11.95	\$ 33.21	\$ 1,194.68							
Total DERP Monthly Charge - Excluding GRT	\$ 1.00		\$ 99.56							
, 5										
Total DERP Annual Charge -Including GRT	\$ 12.00	\$ 33.36	\$ 1,200.00							
Total DERP Monthly Charge - Including GRT	\$ 1.00									

Act 236 requires that capacity-related costs and avoided costs of distributed energy resource programs be tracked separately and allocated and recovered among

5

6

7

customer classes using the same method that is used to allocate and recover variable environmental costs.

In addition, Harrington Exhibit No. 1 includes the billing period per-account charge per month of \$1.00, \$2.78 and \$100.00, including Gross Receipts Tax ("GRT"), for South Carolina Residential, Commercial, and Industrial customers, respectively. The monthly DERP incremental per-account charge recovers 100% of the DERP incremental costs, in accordance with S.C. Code Ann. § 58-27-865(A)(1). Act 236 requires that the incremental costs of DERP be allocated among customer classes using the same method that is used to allocate variable environmental costs.

### Q. HOW DID DEP'S FUEL REVENUE BILLINGS COMPARE TO THE FUEL COSTS INCURRED DURING THE MARCH 2018 TO JUNE 2019 TIME PERIOD?

A. Harrington Exhibit No. 2 is a monthly comparison of fuel revenues collected from South Carolina retail customers to the actual and estimated jurisdictional fuel costs attributable to those sales. The Company currently estimates that its deferred base fuel cost balance will be an under-collection of approximately \$8.4 million at June 30, 2019.

### Q. PLEASE EXPLAIN HARRINGTON EXHIBIT NO. 3.

A. Harrington Exhibit No. 3 presents DEP's proposed base fuel rate of 1.950¢/kWh for the billing period to recover South Carolina's retail share of approximately \$1.2 billion of projected system fuel expense. The South Carolina retail share of

approximately \$131 million incorporates net metering avoided fuel benefits assigned fully to SC retail customers.

1

2

3

4

5

6

7

8

9

18

The fuel forecast supporting the projected fuel cost was generated by an hourly dispatch model that considers the latest forecasted fuel prices, planned maintenance and scheduled refueling outages at the generating plants, forced outages derived from historical trends, generating unit performance parameters, and expected market conditions associated with power purchases and off-system sales opportunities. In addition, the forecasting model reflects the joint dispatch of the combined power supply resources of DEC and DEP.

### 10 Q. PLEASE PROVIDE A STATUS UPDATE OF ENVIRONMENTAL COSTS 11 COLLECTION.

During the review period, DEP recovered variable environmental costs and the costs of emission allowances through the environmental component of the fuel rate. Environmental costs allocated to the South Carolina retail jurisdiction during the review period were approximately \$1.6 million, as shown on Harrington Exhibit No. 4. The Company currently estimates that its deferred environmental cost balance will be an under-collection of approximately \$586,000 at June 30, 2019.

### Q. HAVE YOU PROVIDED A FORECAST OF ENVIRONMENTAL COSTS?

- 19 A. Yes, Harrington Exhibit No. 5 presents DEP's projected system environmental 20 costs for the billing period of approximately \$20.6 million. The South Carolina 21 retail portion is projected to be approximately \$2.2 million.
- Q. PLEASE DESCRIBE EMISSION-REDUCING CHEMICALS THAT DEP INCLUDED IN THE PROPOSED FUEL RATE IN THIS FILING.

As Company witness Turner explains more specifically in her testimony, DEP uses emission-reducing chemicals at its fossil/hydro plants to help it provide low cost, reliable electric generation for its customers while complying with state and federal environmental control obligations. As a result, DEP has included the cost of magnesium hydroxide, calcium carbonate, ammonia, urea, limestone, lime, and hydrated lime incurred during the review period in its fuel cost recovery application. Mercury and Air Toxics Standards ("MATS") chemicals that DEP may use in the future to reduce emissions include, but may not be limited to, activated carbon, mercury oxidation chemicals, and mercury re-emission prevention chemicals.

### Q. HOW DID DEP ALLOCATE ENVIRONMENTAL COSTS?

Α.

A.

DEP allocated the South Carolina retail portion of environmental costs to Residential, General Service (non-demand), and General Service (demand) rate classes based upon the firm coincident peak demand of each class for the prior year. The 2017 firm coincident peak demand was used to allocate costs for the period March 2018 – December 2018 and the 2018 firm coincident peak demand was used to allocate costs for the period January 2019 – June 2020. This allocation is shown on Harrington Exhibit Nos. 4 and 5.

The total cost allocated to each class was divided by projected sales to arrive at a cents per kWh rate for Residential and General Service (non-demand) schedules or a cents per kW rate for General Service (demand) schedules. Allocations were consistent with the methodology approved by this Commission in Order No. 2007-440, issued in DEP's 2007 fuel review proceeding. This

- methodology has been consistently used in each fuel case since the issuance of the 2 2007 Order.
- Q. PLEASE PROVIDE A STATUS UPDATE OF CAPACITY-RELATED
   COSTS COLLECTION.
- During the review period, DEP recovered capacity-related costs, including PURPA 5 Α. purchased power capacity costs and natural gas transportation (pipeline 6 reservation/lease costs) and storage costs through the capacity-related component 7 of the fuel rate. Capacity-related costs allocated to the South Carolina retail 8 jurisdiction during the review period were approximately \$20 million, as shown on 9 10 Harrington Exhibit No. 7. The Company currently estimates that its deferred capacity-related cost balance will be an under-collection of approximately \$1.2 11 million at June 30, 2019. 12
- 13 Q. HAVE YOU PROVIDED A FORECAST OF CAPACITY-RELATED

  14 COSTS?
- 15 A. Yes. Harrington Exhibit No. 8 presents DEP's projected system capacity-related
  16 costs, including PURPA purchased power capacity costs, natural gas transportation
  17 (pipeline reservation/lease costs), and natural gas storage costs, for the billing
  18 period of approximately \$226 million. The South Carolina retail portion is
  19 projected to be approximately \$24.6 million.

### 20 Q. HOW DID DEP ALLOCATE CAPACITY-RELATED COSTS?

A. DEP allocated the South Carolina retail portion of capacity-related costs to the Residential, General Service (non-demand), and General Service (demand) rate classes based upon the firm coincident peak demand of each class for the prior year. The 2017 firm coincident peak demand was used to allocate costs for the period March 2018 – December 2018 and the 2018 firm coincident peak demand was used to allocate costs for the period January 2019 – June 2020. This allocation is shown on Harrington Exhibit Nos. 7 and 8.

1

2

3

4

5

6

7

8

9

10

17

18

19

The total cost allocated to each class was divided by projected sales to arrive at a cents per kWh rate or cents per kW rate depending on the customer class. Allocations were consistent with the methodology approved by this Commission in Order No. 2015-843, issued in DEP's 2015 fuel review proceeding. This methodology has been consistently used in each fuel case since the issuance of the 2015 Order.

### 11 Q. WHAT DERP INCREMENTAL COSTS ARE INCLUDED IN THIS 12 FILING?

- A. S.C. Code Ann. § 58-39-140 defines "incremental costs" as all reasonable and prudent costs incurred by an electrical utility to implement a distributed energy resource program. This filing includes the following categories of incremental costs:
  - Costs associated with purchase power agreements ("PPA") in excess of the
     Company's avoided cost rate, including those serving the purchased power
     needs of the Shared Solar program;
- The DERP net energy metering ("NEM") Incentive, which is a credit available to eligible NEM customer-generators, approved in Docket No. 2014-246-E;

1		• Amortization of solar rebate balances given to South Carolina residential
2		and non-residential customers to invest in or lease distributed generation;
3		• Carrying costs on unamortized solar rebate balances;
4		• An incentive utilized to lower the subscription charge customers pay to
5		participate in the Shared Solar program;
6		• Avoided capacity costs and administrative costs associated with NEM,
7		recoverable as an incremental cost based on S.C. Code Ann. § 58-40-
8		20(F)(6);
9		• General and administrative costs, which include the cost of developing and
10		implementing programs, incremental labor, and additional revenue-grade
11		meters; and
12		• Carrying costs on under-collected balances due to per-account cost caps.
13	Q.	PLEASE PROVIDE A STATUS UPDATE OF DERP INCREMENTAL
14		COSTS COLLECTION.
15		During the review period, DEP recovered DERP incremental costs, offset by any
16		revenues collected from program participants, through the DERP incremental cost
17		per account charge. Review period DERP incremental costs were approximately
18		\$2.9 million, as shown on Harrington Exhibit No. 9. The Company currently
19		estimates that its deferred DERP incremental cost balance will be an under-
20		collection of approximately \$508,000 at June 30, 2019.
21	Q.	HOW DID DEP ALLOCATE DERP INCREMENTAL COSTS?
22		DEP allocated 100% of DERP incremental costs to South Carolina
23		Residential, Commercial (General Service/Lighting), and Industrial rate classes

based upon the firm coincident peak demand of each class for the prior year. The 2017 firm coincident peak demand was used to allocate costs for the period March 2018 – December 2018 and the 2018 firm coincident peak demand was used to allocate costs for the period January 2019 – June 2020. This allocation is shown on Harrington Exhibit Nos. 10 and 12. Each class's allocated portion of incremental costs were divided by the number of accounts subject to the DERP per-account charge in each class. This method results in an annual dollar per-account charge which is billed as a separate fixed monthly component of the fuel factor by customer class.

One exception to this approach is the allocation of the avoided capacity costs associated with NEM that is included in the DERP incremental costs. This particular incremental cost has been allocated to the South Carolina retail jurisdiction based on its pro rata share of system peak demand, rather than 100%. This DERP incremental cost is related to system generation supply resources. Costs and benefits associated with system generation supply resources are traditionally allocated among all of the Company's rate jurisdictions since such generation supply resources are operated as a portfolio to serve its native load customers in all rate jurisdictions.

### Q. PLEASE EXPLAIN HARRINGTON EXHIBIT NO. 10.

Harrington Exhibit No. 10 presents the estimated deferred DERP incremental cost under-collection at June 30, 2019 as a billing period monthly per-account increment of \$0.19, \$0.33, and \$21.94, excluding GRT, for South Carolina Residential, Commercial, and Industrial customers, respectively.

A.

- 1 Q. HAVE YOU PROVIDED A FORECAST OF DERP INCREMENTAL
- 2 COSTS?
- 3 A. Yes, Harrington Exhibit No. 11 itemizes DEP's projected DERP incremental costs
- by cost type and month for the billing period. Total DERP incremental costs are
- 5 projected to be approximately \$3.8 million.
- 6 Q. PLEASE EXPLAIN HARRINGTON EXHIBIT NO. 12.
- 7 A. Harrington Exhibit No. 12 presents the projected DERP incremental costs for the
- billing period as a billing period monthly per-account increment of \$1.38, \$2.44,
- and \$178.38, excluding GRT, for South Carolina Residential, Commercial, and
- Industrial customers, respectively. Proposed rates are subject to per-account cost
- caps.
- 12 Q. HOW DOES THE COMPANY TREAT UNDER-COLLECTED DERP
- 13 INCREMENTAL COSTS RESULTING FROM REACHING THE PER-
- 14 ACCOUNT COST CAP?
- 15 A. Consistent with Docket No. 2015-53-E, Order No. 2015-514, the Company
- reallocates under-collected DERP incremental costs in excess of the per-account
- 17 cost caps among all customer classes with carrying costs applied at the three-year
- treasury rate plus 65 basis points. Interest calculated on the monthly under-
- collected balance is shown as a separate incremental cost on Harrington Exhibit
- Nos. 9 and 11.
- 21 Q. HAVE ANY CUSTOMER CLASSES REACHED THE DERP PER-
- 22 ACCOUNT CAP IN THIS FILING?
- 23 A. Yes, the Residential and Industrial customer classes reached the per-account cap in

this filing. As a result, for the billing period, proposed DERP incremental rates are limited to a monthly per-account charge of \$1.00 for Residential customers and \$100.00 for Industrial customers, including GRT.

### 4 Q. WHAT DERP AVOIDED COSTS ARE INCLUDED IN THIS FILING?

5 A. All DERP avoided costs included in this filing are related to third party purchases. The DERP avoided costs in this filing refer to energy and capacity costs the utility 6 avoids when buying power from a third party rather than generating the power 7 itself. S.C. Code Ann. § 58-39-140(A)(1) states that "avoided cost," as defined for 8 the purpose of differentiating DERP program costs between incremental costs and 9 10 avoided costs, includes "all costs paid under avoided cost rates, or negotiated rates pursuant to PURPA, which ever is lower." Any amounts above avoided cost or 11 above negotiated rates pursuant to PURPA from DERP third party purchases are 12 treated as DERP incremental costs in this filing. 13

### 14 Q. PLEASE PROVIDE A STATUS UPDATE OF DERP AVOIDED COSTS 15 COLLECTION.

A. During the review period, DEP recovered the DERP avoided costs of third party purchases, including the portion serving the purchased power needs of the Shared Solar program, through the DERP avoided cost component of the fuel rate. As shown on Harrington Exhibit No. 13, system DERP avoided costs during the review period were approximately \$588,000, of which approximately \$59,000 has been allocated to the South Carolina retail jurisdiction. The Company currently estimates that its South Carolina deferred DERP avoided cost balance will be an undercollection of approximately \$19,000 at June 30, 2019.

16

17

18

19

20

21

22

23

### Q. HOW DID DEP ALLOCATE DERP AVOIDED COSTS?

1

2

3

4

5

6

7

8

9

10

11

12

13

17

19

20

21

22

23

A.

DEP allocated DERP avoided costs based on the same method used by the utility to allocate and recover variable environmental costs. As such, DEP allocated the South Carolina retail portion of DERP avoided costs to Residential, General Service (non-demand), General Service (demand) and Lighting rate classes based upon the firm coincident peak demand of each class for the prior year. The 2017 firm coincident peak demand was used to allocate costs for the period March 2018 - December 2018 and the 2018 firm coincident peak demand was used to allocate costs for the period January 2019 – June 2020.

The total cost allocated to each class was divided by projected sales to arrive at a cents per kWh rate or cents per kW rate, depending on the customer class. This allocation is shown on Harrington Exhibit Nos. 13 and 14.

### HAVE YOU PROVIDED A FORECAST OF DERP AVOIDED COSTS? Q.

14 A. Yes, Harrington Exhibit No. 14 provides DEP's projected system DERP avoided costs for the billing period of approximately \$1 million. The South Carolina retail 15 16 portion is projected to be approximately \$112,000.

### Q. DO YOU BELIEVE DEP'S ACTUAL FUEL COSTS INCURRED DURING THE REVIEW PERIOD WERE REASONABLE? 18

Yes. I believe the costs were reasonable and that DEP has demonstrated that it has met the criteria set forth in S.C. Code Ann. § 58-27-865. These costs also reflect DEP's continuing efforts to maintain reliable service and an economical generation mix, thereby minimizing the total cost of providing service to DEP's South Carolina retail customers.

1	Q.	DO YOU BELIEVE DEP'S ACTUAL DERP COSTS INCURRED DURING
2		THE PERIOD WERE REASONABLE?
3		Yes. I also believe that the DERP costs were reasonable and that DEP has
4		demonstrated that it met the criteria set forth in S.C. Code Ann. § 58-39-130(A)(2).
5	Q.	WHAT ARE THE KEY DRIVERS IMPACTING THE PROPOSED FUEL
6		FACTOR?
7	A.	A number of factors contribute to the change in the proposed total fuel factor for
8		all customer classes. Total fuel rates projected for the billing period are decreasing
9		primarily due to an under-collection of fuel costs included in the 2019 proposed
10		fuel rates that is smaller than the under-collection of fuel costs reflected in existing
11		rates.
12	Q.	INCLUDING THE DERP INCREMENTAL PER-ACCOUNT CHARGES,
13		WHAT IS THE IMPACT TO CUSTOMERS' BILLS IF THE PROPOSED
14		FUEL COST, CAPACITY-RELATED COST, DERP AVOIDED COST, AND
15		ENVIROMENTAL COST FACTORS ARE APPROVED BY THE
16		COMMISSION?
17	A.	The impact of all components of this filing to customers' monthly bills on an
18		average Residential customer using 1,000 kWh per month is a decrease of \$1.95,
19		or 1.6 percent. The decrease seen in the average monthly bill of General Service

(demand) and Lighting customers is 3.7 percent and 1.0 percent, respectively.

Although impacts vary by customer, the average General Service (non-demand)

customer should see a negligible bill impact.

20

21

22

1	Q.	ARE THERE ANY ITEMS PROPOSED IN THE DEP SC BASE RATE
2		CASE, DOCKET NO. 2018-318-E, THAT COULD IMPACT DERP COSTS
3		AND ASSOCIATED REVENUES INCLUDED IN THIS FUEL FILING?
4	A.	Yes. A proposal was made in the DEP SC base rate case, Docket No. 2018–318-E,
5		to offset excess deferred income taxes with \$6 million of the unamortized SC DERP
6		rebate balance. If approved by the Commission, the SC DERP solar rebate balance
7		used to offset the deferred revenue tax benefit would be removed from the fuel case
8		and any adjustments needed to avoid double recovery of this amount would be
9		made accordingly.

Yes, it does. A. 11

# DUKE ENERGY PROGRESS, LLC ELECTRONICALLY FILED - 2019 April 26 10:26 AM - SCPSC - Docket # 2019-1-E - Paggetil&ak&Ina retail fuel case calculation of total fuel component

Harrington Exhibit 1
Docket No. 2019-1-E

BILLING PERIOD JULY 1, 2019 TO JUNE 30, 2020

25 26	23 24	21 22	19 20		17 18	13 14 15 16	9 10 11 12	8 7 6 5	4 3 2 1	Line No.
Total DERP Annual Charge -Including GRT Total DERP Monthly Charge - Including GRT	Total DERP Annual Charge - Excluding GRT Total DERP Monthly Charge - Excluding GRT	<b>DERP Incremental Projected Billing Period</b> Annual Charge Monthly Charge	<b>DERP Incremental (Over) / Under Collection at June 2019</b> Annual Charge Monthly Charge	Distributed Energy Resource Program Incremental Cost per Account	Total Fuel Cost Factor - Cents/ kWh [2] Total Demand Fuel Cost Factor - Cents/ kW [2]	Environmental Costs  Environmental Component (Over) / Under Collection at June 2019 Environmental Component Projected Billing Period Total Environmental Component Total Environmental Cost Component Increased for RECD	Distributed Energy Resource Program (DERP) Avoided Costs  DERP Avoided Cost (Over) / Under Collection at June 2019  DERP Avoided Costs Projected Billing Period  Total DERP Avoided Cost Component  Total DERP Avoided Cost Component Increased for RECD	Capacity Related Cost Capacity Related Cost Component (Over) / Under Collection at June 2019 Capacity Related Cost Component Projected Billing Period Total Capacity Related Cost Component Total Capacity Related Cost Component Increased for RECD	Base Fuel Costs  Base Fuel Cost Component (Over) / Under Collection at June 2019  Base Fuel Cost Component Projected Billing Period  Total Base Fuel Cost Component  Total Base Fuel Cost Component Increased for RECD	Description
Line 19 + Line 21 / (1-tax rate) Line 20 + Line 22 / (1-tax rate)	Line 19 + Line 21 Line 20 + Line 22	Exhibit 12 Exhibit 12	Exhibit 10 Exhibit 10		Line 4 + Line 8 + Line 12 + Line 16 Line 7 + Line 11 + line 15	Exhibit 4 Exhibit 5 Line 13 + 14 Line 15 / (1- RECD factor)	Exhibit 13 Exhibit 14 Line 9 + 10 Line 11 / (1- RECD factor)	Exhibit 7 Exhibit 8 Line 5 + 6 Line 7 / (1- RECD factor)	Exhibit 2 Exhibit 3 Line 1 + Line 2 Line 3 / (1-RECD factor)	Reference
\$ 12 \$ 1	\$ 11 \$ 1	\$ 16 \$ 1	\$ \$ 0	Residential	2.865	0.0	0.0	0.0	0.3 1.9 2.0 2.0	Residential
12.00 1.00	11.95 1.00	16.53 1.38	2.24 0.19			0.015 0.059 0.074 0.075 [1]	0.000 0.003 0.003 0.003 [1]	0.040 0.652 0.692 0.697 [1]	0.125 1.950 2.075 2.090 [1]	
\$ 33.36 \$ \$ 2.78 \$	\$ 33.21 \$ \$ 2.77 \$	\$ 29.25 \$ \$ 2.44 \$	\$ 3.96 \$ \$ 0.33 \$	Dollars Commercial	2.657	Cents / kWh 0.010 0.047 0.057	Cents / kWh 0.001 0.002 0.003	Cents / kWh (0.001) 0.523 0.522	0.125 1.950 2.075	Customer Class Cents / kWh General Service (non-demand)
\$ 1,200.00 \$ 100.00	\$ 1,194.68 \$ 99.56	\$ 2,140.53 \$ 178.38	\$ 263.24 \$ 21.94	rs Industrial	2.075	N/A N/A	0.000 0.000 0.000	0.000 0.000 0.000	0.125 1.950 2.075	kWh Lighting
					2.075 102	Cents / kW 2 8 10	<b>Cents / kW</b> 0 0	Cents / kW 3 89 92	0.125 1.950 2.075	General Service (demand)

- Notes:
  [1] RECD factor is .7268% and is calculated on Exhibit 6
  [2] The Fuel Cost Factors and Demand Fuel Cost Factor does not include GRT

### DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE CALCULATION OF BASE FUEL (OVER) / UNDER RECOVERY ACTUAL AND ESTIMATED COSTS AND REVENUES MARCH 2018 - JUNE 2019

Docket No		Harrington
1 +0		ring
5	Page	Ön
2019_1_6	ge 1	<b>Exhibit</b>
בוב	of (i)	bit 2

24,050,415	24,946,484 \$	25,124,368 \$	23,830,285 \$	23,109,195 \$	\$ 23,722,902 \$	Prior Mo Cum Bal + Line 22 + Line 23 + Line 24	(Over) / Under Recovered Cumulative Balance	25
		3,199				Monthly Fuel Filings	Adjustment(s)	24
					\$ 23,394,223	2018-1-E	(Over) / Under Cumulative Balance - February 2018	23
(896,069)	(177,884) \$	1,290,884 \$	721,090 \$	(613,707) \$	\$ 328,679 \$	Line 18 - Line 21	(Over) / Under Recovered Current Month	22
14,661,727	14,992,327 \$	11,551,631 \$	10,191,925 \$	11,777,722 \$	\$ 9,075,208 \$	Line 19 + Line 20	Adjusted Fuel Costs Collected	21
(16,137)	(13,040)	(9,365)	(9,734)	(7,803)	(9,511)	Monthly Fuel Filings	Fuel Benefits Given in DER NEM incentive	20
14,677,864	15,005,367 \$	11,560,996 \$	10,201,659 \$	11,785,525 \$	\$ 9,084,719 \$	Monthly Fuel Filings	Fuel Costs Collected	19
13,765,658	14,814,443 \$	12,842,515 \$	10,913,015 \$	11,164,015 \$	\$ 9,403,887 \$	Line 16 + Line 17	Adjusted SC Base Fuel Costs	18
(75,147)	(61,989)	(34,483)	(35,183)	(27,921)	(33,455)	Line 7, opposite sign	Assign 100% of Avoided Fuel Benefit of SC NEM	17
13,840,805	14,876,432 \$	12,876,998 \$	10,948,198 \$	11,191,936 \$	\$ 9,437,342 \$	Line 12 * Line 15 / 100	SC Base Fuel Costs	16
623,625,370	659,686,211	524,201,557	462,731,908	534,109,268	412,058,132	Line 13 + Line 14	Adjusted Actual / Projected SC Retail Sales kWh (w/o solar)	15
1,878,670	1,549,719	1,076,721	1,098,547	871,805	1,044,569	Monthly Fuel Filings	Eliminate the NEM impact kWh	14
621,746,700	658,136,492	523,124,836	461,633,361	533,237,463	411,013,563	Monthly Fuel Filings	Actual/ Projected SC Retail Sales kWh (w/ solar)	13
2.219	2.255	2.456	2.366	2.095	2.290	Line 8 / Line 11 * 100	System Cost per kWh (¢/kWh)	12
6,202,355,742	6,166,184,653	5,678,869,273		4,494,917,309	4,655,007,428	Line 9 + Line 10	Adjusted Projected System kWh Sales (w/o solar)	11
1,878,670	1,549,719	1,076,721	1,098,547	871,805	1,044,569	Monthly Fuel Filings	Eliminate NEM Solar Generation kWh	10
6,200,477,072	6,164,634,934	5,677,792,552		4,494,045,504	4,653,962,859	Monthly Fuel Filings	Total System kWh Sales (w/ solar)	9
137,655,714	139,052,211 \$	139,501,268 \$	109,919,209 \$	94,188,258 \$	\$ 106,613,346 \$	Line 6 + Line 7	Adjusted System Fuel Costs	∞
75,147	61,989	34,483	35,183	27,921	33,455	Monthly Fuel Filings	Eliminate Avoided Fuel Benefit of SC NEM	7
137,580,567	138,990,222 \$	139,466,785 \$	109,884,026 \$	94,160,337 \$	\$ 106,579,891 \$	Sum Lines 1 through 5	Total Fuel Costs	6
(20,530,519)	(22,280,970)	(5,994,539)	(5,428,354)	(7,345,506)	(8,046,009)	Monthly Fuel Filings	Fuel Expense Recovered Through Intersystem Sales	5
45,979,132	49,508,674	44,202,762	41,090,991	37,568,010	32,456,208	Monthly Fuel Filings	Purchased Power	4
18,004,976	17,540,348	15,148,148	16,473,119	12,471,756	13,884,551	Monthly Fuel Filings	Nuclear Fuel	ω
58,693,966	62,286,934	47,081,262	38,250,706	32,952,831	51,139,383	Monthly Fuel Filings	Gas	2
35,433,012	31,935,236 \$	39,029,152 \$	19,497,564 \$	18,513,246 \$	\$ 17,145,758 \$	Monthly Fuel Filings	Coal	1
2018	2018	2018	2018	2018	2018	Reference	Description	Line No.
August	July	June	May	April	March			
Actual	Actual	Actual	Actual	Actual	Actual			

### DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE CALCULATION OF BASE FUEL (OVER) / UNDER RECOVERY ACTUAL AND ESTIMATED COSTS AND REVENUES MARCH 2018 - JUNE 2019

Harrington Exhibit 2
Page 2 of 3
Docket No. 2019-1-E

49	47 48	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	Line No.	
(Over) / Under Recovered Cumulative Balance	(Over) / Under Recovered Current Month Adjustment(s)	Adjusted Fuel Costs Collected	Fuel Benefits Given in DER NEM incentive	Fuel Costs Collected	Adjusted SC Base Fuel Costs	Assign 100% of Avoided Fuel Benefit of SC NEM	SC Base Fuel Costs	Adjusted Actual / Projected SC Retail Sales kWh (w/o solar)	Eliminate the NEM impact kWh	Actual/ Projected SC Retail Sales kWh (w/ solar)	System Cost per kWh (¢/kWh)	Adjusted Projected System kWh Sales (w/o solar)	Eliminate NEM Solar Generation kWh	Total System kWh Sales (w/ solar)	Adjusted System Fuel Costs	Eliminate Avoided Fuel Benefit of SC NEM	Total Fuel Costs	Fuel Expense Recovered Through Intersystem Sales	Purchased Power	Nuclear Fuel	Gas	Coal	Description	
Prior Mo Cum Bal + Line 47 + Line 48	Line 43 - Line 46 Monthly Fuel Filings	Line 44 + Line 45	Monthly Fuel Filings	Monthly Fuel Filings	Line 41 + Line 42	Line 32, opposite sign	Line 37 *Line 40 / 100	Line 38 + Line 39	Monthly Fuel Filings	Monthly Fuel Filings	Line 33 / Line 36 * 100	Line 34 + Line 35	Monthly Fuel Filings	Monthly Fuel Filings	Line 31 + Line 32	Monthly Fuel Filings	Sum Lines 26 through 30	Monthly Fuel Filings	Monthly Fuel Filings	Monthly Fuel Filings	Monthly Fuel Filings	Monthly Fuel Filings	Reference	
<b>⋄</b>	₩.	❖		❖	❖		❖								❖		❖					❖		(0
24,878,029 \$	827,614 \$	12,080,667 \$	(17,696)	12,098,363 \$	12,908,281 \$	(64,483)	12,972,764 \$	513,370,988	2,011,329	511,359,659	2.527	5,429,405,069	2,011,329	5,427,393,740	137,199,786 \$	64,483	137,135,303 \$	(14,060,575)	59,796,689	13,468,704	53,283,254	24,647,231 \$	2018	Actual September
21,969,123 \$	(2,908,906) \$	13,675,337 \$	(10,922)	13,686,259 \$	10,766,431 \$	(45,792)	10,812,223 \$	579,877,728	1,428,329	578,449,399	1.865	5,151,950,885	1,428,329	5,150,522,556	96,061,710 \$	45,792	96,015,918 \$	(22,249,737)	35,853,041	13,744,614	53,740,493	14,927,507 \$	2018	Actual October
21,874,458 \$	(94,665) \$	11,933,841 \$	(16,926)	11,950,767 \$	11,839,176 \$	(63,753)	11,902,929 \$	507,042,584	1,988,547	505,054,037	2.348	4,725,860,929	1,988,547	4,723,872,382	110,940,558 \$	63,753	110,876,805 \$	(18,902,399)	40,798,669	14,082,897	54,521,926	20,375,712 \$	2018	Actual November
22,072,704 \$	198,246 \$	10,521,505 \$	(17,922)	10,539,427 \$	10,719,751 \$	(67,763)	10,787,514 \$	447,452,625	2,113,646	445,338,979	2.411	4,830,241,492	2,113,646	4,828,127,846	116,450,991 \$	67,763	116,383,228 \$	(24,995,583)	26,413,235	16,323,865	62,784,227	35,857,484 \$	2018	Actual December
22,975,950 \$	903,246 \$	14,303,635 \$	(20,051)	14,323,686 \$	15,206,881 \$	(74,728)	15,281,609 \$	607,610,008	2,330,897	605,279,111	2.515	5,618,320,555	2,330,897	5,615,989,658	141,302,768 \$	74,728	141,228,040 \$	(9,878,607)	34,355,870	16,837,287	61,270,115	38,643,375 \$	2019	Actual January
13,424,397 \$	(9,551,483) \$ (70) \$	13,130,180 \$	(16,051) \$	13,146,231 \$	3,578,697 \$	(66,656) \$	3,645,353 \$	557,587,120	2,079,115	555,508,005	0.654	5,089,705,542	2,079,115	5,087,626,427	33,275,115 \$	66,656	33,208,459 \$	(68,338,601)	28,552,516	15,434,029	47,778,009	9,782,506 \$	2019	Actual February
13,424,397	(9,972,955) 3,129	147,895,705	(165,158)	148,060,863	137,922,750	(651,353)	138,574,103	6,429,353,499	19,471,894	6,409,881,605		62,688,617,384	19,471,894	62,669,145,490	1,362,160,934	651,353	1,361,509,581	(228,051,399)	476,575,797	183,414,294	623,783,106	305,787,783	Ended Feb 2019	Review Period Twelve Months

### DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE CALCULATION OF BASE FUEL (OVER) / UNDER RECOVERY ACTUAL AND ESTIMATED COSTS AND REVENUES MARCH 2018 - JUNE 2019

Harrington Exhibit 2
Page 3 of 3
Docket No. 2019-1-E

74 S 75 S	73 (	71 ( 72 <i>t</i>	68 F 69 F 70 /	65 S 66 / 67 /	62 / 63 E 64 /	61 9	58 T	56 E 57 /		50 ( 51 (	Line No.
SC Projected SC Retail Sales July 2019 - June 2020 SC Base Fuel Increment / (Decrement) Calculated Rate (¢/kWh)	(Over) / Under Recovered Cumulative Balance	(Over) / Under Recovered Current Month Adjustment(s)	Fuel Costs Collected Fuel Benefits Given in DER NEM incentive Adjusted Fuel Costs Collected	SC Base Fuel Costs Assign 100% of Avoided Fuel Benefit of SC NEM Adjusted SC Base Fuel Costs	Actual/ Projected SC Retail Sales kWh (w/ solar) Eliminate the NEM impact kWh Adjusted Actual / Projected SC Retail Sales kWh (w/o solar)	System Cost per kWh (¢/kWh)	Total System kWh Sales (w/ solar) Eliminate NEM Solar Generation kWh Adjusted Projected System kWh Sales (w/o solar)	Eliminate Avoided Fuel Benefit of SC NEM Adjusted System Fuel Costs	Purchased Power Fuel Expense Recovered Through Intersystem Sales	Coal Gas Nuclear Fuel	Description
WP8 Line 73 / Line 74 * 100	Prior Mo Cum Bal + Line /1 + Line 72	Line 67 - Line 70	2018-1-E WP14 Line 68 + Line 69	Line 61 * Line 64 / 100 WP14 Line 65 + Line 66	WP8 WP14 Line 62 + Line 63	Line 57 / Line 60 * 100	WP8 WP14 Line 58 + Line 59	WP14 Line 55 + Line 56		WP1 WP2 WP3	Reference
	↔	φ.	<b>ν ν</b>	<b>м</b> м				٧ ٧	ר	⋄	
	13,142,207 \$	(282,190) \$	9,846,440 \$ (20,835) 9,825,605 \$	9,623,619 \$ (80,204) 9,543,415 \$	416,088,164 2,501,687 418,589,851	2.299	4,552,981,616 2,501,687 4,555,483,303	104,632,934 \$ 80,204 104,733,157 \$	1	25,709,434 \$ 43,845,607 12,427.031	Estimated March 2019
	10,602,487 \$	(2,539,721) \$	12,082,835 \$ (13,987) 12,068,847 \$	9,611,385 \$ (82,258) 9,529,127 \$	510,686,159 2,565,762 513,251,922	1.873	4,482,512,031 2,565,762 4,485,077,793	83,989,572 \$		24,672,036 \$ 26,045,395 15,483,969	Estimated April 2019
	9,306,923 \$	(1,295,563) \$	11,618,165 \$ (14,562) 11,603,604 \$	10,393,719 \$ (85,679) 10,308,040 \$	491,046,715 2,672,455 493,719,170	2.105	4,446,396,083 2,672,455 4,449,068,537	93,573,601 \$ 85,679 93,661,279 \$		26,251,436 \$ 24,693,867 16,417,236	Estimated May 2019
	8,404,772 \$	(902,151) \$ \$	12,800,928 \$ (15,766) 12,785,162 \$	11,975,611 \$ (92,600) 11,883,011 \$	541,036,670 2,888,346 543,925,016	2.202	5,204,419,092 2,888,346 5,207,307,438	92,600 114,649,424 \$		42,483,825 \$ 38,675,670 15,637,985	Estimated June 2019
6,730,340,143 <b>0.125</b>	8,404,772	(14,992,580) 3,129	194,409,230 (230,308) 194,178,922	180,178,437 (992,094) 179,186,343	8,368,739,314 30,100,144 8,398,839,458	2.162	81,355,454,312 30,100,144 81,385,554,456	1,759,194,366	611,480,319 (278,606,720)	424,904,513 757,043,645 243.380.515	Sixteen Months Ended June 2019

### Harrington Exhibit 3 Docket No. 2019-1-E

### PROJECTED BILLING PERIOD BASE FUEL COSTS FOR THE 12 MONTHS JULY 2019 TO JUNE 2020 DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE

33 34	29 30 31 32	28	25 26 27	17 18 19 20 21 22 23 23	13 14 15 16	8 9 10 11	Line No.  1 2 3 4 6 7
Projected SC Retail Sales Adjusted SC System Cost per kWh (¢/kWh)	Adjusted Projected SC Retail Sales (w/o solar) SC Base Fuel Costs Assign 100% of Avoided Fuel Benefit of SC NEM (Note 1) Adjusted SC Base Fuel Costs	System Cost per kWh (¢/kWh)	Total Projected System Sales kWh (w/ solar) Eliminate NEM Solar Generation kWh Adjusted Projected System kWh Sales (w/o solar)	Coal Gas Nuclear Fuel Purchased Power Fuel Expense Recovered Through Intersystem Sales Total Fuel Costs Eliminate Avoided Fuel Benefit of SC NEM Adjusted System Fuel Costs	Adjusted Projected SC Retail Sales (w/o solar) SC Base Fuel Costs Assign 100% of Avoided Fuel Benefit of SC NEM (Note 1) Adjusted SC Base Fuel Costs	Adjusted System Fuel Costs  Total Projected System Sales kWh (w/ solar) Eliminate NEM Solar Generation kWh Adjusted Projected System kWh Sales (w/o solar)  System Cost per kWh (¢/kWh)	
Line 32 / Line 33 * 100	WP8 Line 28 * Line 29 / 100 WP14 Line 30 + Line 31	Line 24 / Line 27 * 100	WP8 WP14 Line 25 + Line 26	WP1 WP2 WP5 WP6 Sum Lines 17 through 21 WP14 Line 22 + Line 23	WP8 Line 12 * Line 13 / 100 WP14 Line 14 + Line 15	Line 6 + Line 7  WP8  WP14  Line 9 + Line 10  Line 8 / Line 11 * 100	Reference WP1 WP2 WP3 WP5 WP6 Sum Lines 1 through 5 WP14
	\$ \$		5,6	φ	ۍ پې د ا	\$ 5,9 5,9	
	607,182,038 11,823,018 \$ (60,849) 11,762,169 \$	1.947	5,679,535,820 2,086,766 5,681,622,586	46,123,651 \$ 25,930,059 16,926,060 31,036,153 (9,450,657) 110,565,266 \$ 67,006 110,632,272 \$	618,402,562 13,407,101 \$ (88,557) 13,318,544 \$	129,141,276 \$ 5,953,609,386 3,032,181 5,956,641,567 2.168	
	596,770,188 11,322,829 \$ (63,563) 11,259,266 \$	1.897	5,466,072,140 2,179,249 5,468,251,389	44,995,067 \$ 23,512,584 15,497,215 28,507,690 (8,830,573) 103,681,983 \$ 69,976 103,751,959 \$	633,262,773 13,357,836 \$ (82,000) 13,275,836 \$	126,852,960 \$ 6,010,985,735 2,806,978 6,013,792,713	
	558,856,798 10,800,827 \$ (85,049) 10,715,778 \$	1.933	5,022,976,178 2,914,645 5,025,890,823	28,884,279 \$ 41,860,567 12,919,969 30,811,390 (17,436,188) 97,040,017 \$ 93,589 97,133,606 \$	605,425,276 11,313,849 \$ (75,830) 11,238,019 \$	102,498,379 \$ 5,482,284,590 2,595,784 5,484,880,374 1.869	
	515,871,629 8,608,396 \$ (101,639) 8,506,757 \$	1.669	4,423,919,449 3,482,451 4,427,401,900	10,321,926 \$ 30,566,002 15,694,928 31,787,324 (14,601,554) 73,768,626 \$ 111,822 73,880,448 \$	527,201,736 10,300,776 \$ (73,273) 10,227,503 \$	91,327,302 \$ 4,671,693,496 2,509,088 4,674,202,584 1.954	
	497,547,902 9,203,603 \$ (103,756) 9,099,847 \$	1.850	4,396,701,438 3,554,566 4,400,256,004	13,454,535 \$ 33,857,114 16,059,189 34,752,429 (16,841,809) 81,281,458 \$ 114,137 81,395,595 \$	503,019,569 10,251,342 \$ (59,867) 10,191,475 \$	93,703,259 \$ 4,595,842,719 2,050,225 4,597,892,944 2.038	
	544,987,675 11,196,003 \$ (107,367) 11,088,636 \$	2.054	5,136,235,584 3,677,823 5,139,913,407	28,706,332 \$ 42,033,249 15,404,872 34,226,552 (14,896,830) 105,474,175 \$ 118,095 105,592,270 \$	<b> </b>	98,722,460 5,172,638,730 1,630,890 5,174,269,620 1.908	December 2019  39,453,290 39,053,113 16,954,471 23,039,833 (19,830,615) 98,670,092 52,368
6,730,340,143 1.950	6,762,860,788 132,161,967 (949,299) 131,212,669	1.958	62,012,495,267 32,520,646 62,045,015,912	403,480,987 439,648,540 183,563,482 365,810,573 (178,916,030) 1,213,587,551 1,044,238 1,214,631,789	Billing Period Twelve Months		

Note 1: Equals total NEM avoided fuel benefit less portion included in DERP NEM Incentive.

## DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE CALCULATION OF ENVIRONMENTAL (OVER) / UNDER RECOVERY - RESIDENTIAL ACTUAL AND ESTIMATED COSTS AND REVENUES MARCH 2018 - JUNE 2019

Harrington Exhibit 4 Page 1 of 6 Docket No. 2019-1-E

33	31 32	30	27 28 29	22 23 24 25 26	18 19 20 21	Line No	17	15 16	12 13 14	7 8 9 10 11	ω4νο	Line No.  1 2 Line No.
Adjusted Cumulative SC Residential Environmental Costs (Over) / Under Recovery	Cumulative SC Residential Environmental Costs (Over) / Under Recovery Adjustment(s)	SC Residential Environmental Costs (Over) / Under Recovery	SC Residential kWh Sales SC Residential Environmental Costs Incurred ¢/kwh SC Residential Environmental Costs Billed ¢/kwh	Total System Sales kWh Environmental System Costs Incurred ¢/kwh SC Retail Sales kWh SC Environmental Costs SC Residential Environmental Cost Allocated by Firm CP	Total Reagents Emission Allowances Amounts Recovered in Off-System Sales Net Environmental Costs	. Description	Adjusted Cumulative SC Residential Environmental Costs (Over) / Under Recovery	SC Residential Environmental Costs (Over) / Under Recovery Prior Year Balance	SC Residential kWh Sales SC Residential Environmental Costs Incurred ¢/kwh SC Residential Environmental Costs Billed ¢/kwh	Total System Sales kWh Environmental System Costs Incurred ¢/kwh SC Retail Sales kWh SC Environmental Costs SC Residential Environmental Cost Allocated by Firm CP	Total Reagents Emission Allowances Amounts Recovered in Off-System Sales Net Environmental Costs	Winter 2018 Firm Coincident Peak (CP) kWs Winter 2017 Firm Coincident Peak (CP) kWs
er Line 31 + Line 32	ry Prior Month Cum. Bal + Line 30	(Line 28 - Line 29) * Line 27 / 100	Monthly Fuel Filing Line 26 / Line 27 * 100 2018-1-E	Monthly Fuel Filing Line 21 / Line 22 * 100 Monthly Fuel Filing Line 23 * Line 24 / 100 Line 25 * Line 2 (or Line 1)	Monthly Fuel Filing Monthly Fuel Filing Monthly Fuel Filing Sum Lines 18 thru 20	Reference	er Prior Month Cum. Bal + Line 15	(Line 13 - Line 14) * Line 12 / 100 2018-1-E	Monthly Fuel Filing Line 11 / Line 12 * 100 2017-1-E, 2018-1-E	Monthly Fuel Filing Line 6 / Line 7 * 100 Monthly Fuel Filing Line 8 * Line 9 / 100 Line 10 * Line 2	Monthly Fuel Filing Monthly Fuel Filing Monthly Fuel Filing Sum Lines 3 thru 5	Residential 60.91% 59.11% Reference
	❖	⊹∽		<b>«</b> «	w w		↔	ᡐ᠊ᡐ		w w	w w	
	(98,089) \$	43,796 \$	192,472,913 0.042 0.019	5,427,393,740 0.026 511,359,659 135,480 \$ 80,087 \$	1,446,270 \$ 2,157 (10,487) 1,437,940 \$	Actual September 2018	(345,201) \$	(9,388) \$ (335,813)	143,961,446 0.028 0.035	4,653,962,859 0.017 411,013,563 68,741 \$ 40,635 \$	787,583 \$ 833 (10,052) 778,364 \$	Actual March 2018
	(71,221) \$	26,868 \$	166,363,331 0.035 0.019	5,150,522,556 0.017 578,449,399 98,282 \$ 58,098 \$	894,255 \$ 1,511 (20,664) 875,102 \$	Actual October 2018	(334,315) \$	10,886 \$	142,967,229 0.042 0.035	4,494,045,504 0.019 533,237,463 102,444 \$ 60,558 \$	873,319 \$ 3,744 (13,684) 863,379 \$	Actual April 2018
	(27,665) \$	43,556 \$	135,084,422 0.051 0.019	4,723,872,382 0.023 505,054,037 116,789 \$ 69,038 \$	1,161,039 \$ 943 (69,630) 1,092,352 \$	Actual November 2018	(321,031) \$	13,284 \$	126,649,812 0.045 0.035	4,644,699,960 0.021 461,633,361 96,874 \$ 57,266 \$	1,083,871 \$ (94,203) (14,979) 974,689 \$	Actual May 2018
	37,875 \$	65,540 \$	188,450,930 0.054 0.019	4,828,127,846 0.038 445,338,979 171,021 \$ 101,097 \$	2,048,497 \$ 1,264 (195,638) 1,854,122.70 \$	Actual December 2018	(276,615) \$	44,416 \$	183,269,324 0.059 0.035	5,677,792,552 0.035 523,124,836 182,815 \$ 108,069 \$	1,993,580 \$ 1,451 (10,832) 1,984,199 \$	Actual June 2018
	128,132 \$	90,257 \$	199,934,867 0.064 0.019	5,615,989,658 0.035 605,279,111 210,122 \$ 127,980 \$	2,028,239 \$ - (78,656) 1,949,583 \$	Actual January 2019	(224,441) \$	52,174 \$	209,653,372 0.053 0.028	6,164,634,934 0.028 658,136,492 186,221 \$ 110,082 \$	1,766,587 \$ 2,619 (24,914) 1,744,293 \$	Actual July 2018
❖	122,754	(5,378) \$	206,574,763 0.016 0.019	5,087,626,427 0.010 555,508,005 55,162 \$ 33,598 \$	579,414 \$ - (74,208) 505,206 \$	Actual February 2019	(141,885)	82,556	205,859,617 0.060 0.019	6,200,477,072 0.033 621,746,700 207,242 122,509	2,089,366 2,002 (24,607) 2,066,761	Actual August 2018
122,754	122,754	458,567	2,101,242,026 0.046	62,669,145,490 6,409,881,605 1,631,193 969,017	16,752,021 (77,679) (548,351) 16,125,991	Review Period Twelve Months Ended Feb 2019						

## DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE CALCULATION OF ENVIRONMENTAL (OVER) / UNDER RECOVERY - RESIDENTIAL ACTUAL AND ESTIMATED COSTS AND REVENUES MARCH 2018 - JUNE 2019

ERY - RESIDENTIAL

Harrington Exhibit 4
Page 2 of 6
Docket No. 2019-1-E

51	50	49	47	46	45	43 44	42	41	40	39	38	37	36	35	34	Line No.		2	Line No.
Rate (¢/kwh)	SC Projected Residential kWh Sales July 2019 - June 2020	Adjustment(s) Adjusted Cumulative SC Residential Environmental Costs (Over) / Under Recovery	Recovery	SC Residential Environmental Costs (Over) / Under Recovery	SC Residential Environmental Costs Billed ¢/kwh	Projected SC Residential kWh Sales SC Residential Environmental Costs Incurred ¢/kwh	SC Residential Environmental Cost Allocated by Firm CP	SC Environmental Costs	Projected SC Retail Sales kWh	Environmental System Costs Incurred ¢/kwh	Projected Total System Sales kWh	Net Environmental Costs	Amounts Recovered in Off-System Sales	Emission Allowances	Total Reagents	. Description		Winter 2018 Firm Coincident Peak (CP) kWs Winter 2017 Firm Coincident Peak (CP) kWs	ı
(Line 49 / Line 50 * 100)	WP8a	Line 47 + Line 48	Prior Month Cum. Bal + Line 46	(Line 44 - Line 45) * Line 43 / 100	2018-1-E	WP8a Line 42 / Line 43 * 100	Line 41 * Line 1	Line 39 * Line 40 / 100	WP8	Line 37 / Line 38 * 100	WP8	Sum Lines 34 thru 36	WP7	WP7	WP7	Reference		60.91% 59.11%	Residential
			<b>ئ</b>	↔			⊹	❖				÷			ᡐ				
			163,244 \$	40,490 \$	0.019	150,838,802 0.046	68,948 \$	113,201 \$	416,088,164	0.027	4,552,981,616	1,238,690 \$	(71,965)	ı	1,310,655 \$	2019	Estimated		
			201,752 \$	38,508 \$	0.019	161,472,415 0.043	68,972 \$		510,686,159	0.022	4,482,512,031	993,968 \$	(11,599)	1,173	1,004,394 \$	2019	Estimated		
			243,134 \$	41,381 \$	0.019	138,607,950 0.049	67,532 \$	110,876 \$	491,046,715	0.023	4,446,396,083	1,003,974 \$	(11,960)	1,431	1,014,503 \$	2019	Estimated		
		<b>ب</b>	334,903	91,770 \$	0.019	171,939,263 0.072	124,209 \$	203,930 \$	541,036,670	0.038	5,204,419,092	1,961,674 \$	(4,297)	2,889	1,963,082 \$	2019	Estimated		
0.015	2,301,521,005	334,903	334,903	670,716		2,724,100,457	1,298,678	2,172,442	8,368,739,314		81,355,454,312	21,324,297	(648,172)	(72,186)	22,044,654	June 2019	Sixteen Months		

# ELECTRONICALLY FILED - 2019 April 26 10:26 AM - SCPSC - Docket # 2019-1-E - Page 25 of 51

## DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE CALCULATION OF ENVIRONMENTAL (OVER) / UNDER RECOVERY - GENERAL SERVICE (NON-DEMAND) ACTUAL AND ESTIMATED COSTS AND REVENUES MARCH 2018 - JUNE 2019

Harrington Exhibit 4
Page 3 of 6
Docket No. 2019-1-E

Line No. Line No. Line No. 20 21 32 31 22232425 13 11 30 29 28 27 26 18 19 17 15 14 12 16 7 8 9 10 840 SC General Service (non-demand) Environmental Costs Billed ¢/kwh SC General Service (non-demand) kWh Sales SC Retail Sales kWh
SC Environmental Costs Amounts Recovered in Off-System Sales Net Environmental Costs Adjusted Cumulative SC General Service (non-demand) Environmental Costs (Over) / Under Recovery SC General Service (non-demand) Environmental Costs Incurred ¢/kwh SC Retail Sales kWh
SC Environmental Costs Amounts Recovered in Off-System Sales Net Environmental Costs SC General Service (non-demand) Environmental Costs (Over) / Under SC General Service (non-demand) Environmental Costs Incurred ¢/kwh SC General Service (non-demand) Environmental Cost Allocated by Firm CP SC General Service (non-demand) kWh Sales SC General Service (non-demand) Environmental Cost Allocated by Firm CP Cumulative SC General Service (non-demand) Environmental Costs (Over) / Environmental System Costs Incurred ¢/kwh **Emission Allowances** SC General Service (non-demand) Environmental Costs (Over) / Under SC General Service (non-demand) Environmental Costs Billed ¢/kwh Environmental System Costs Incurred ¢/kwh Emission Allowances Adjusted Cumulative SC General Service (non-demand) Environmental Costs Winter 2018 Firm Coincident Peak (CP) kWs Winter 2017 Firm Coincident Peak (CP) kWs Description Description Line 25 \* Line 2 (or Line 1) Prior Month Cum. Bal + Line 15 Line 10 \* Line 2 Monthly Fuel Filing Sum Lines 3 thru 5 Sum Lines 18 thru 20 Monthly Fuel Filing (Line 28 - Line 29) \* Line 27 / 100 Line 26 / Line 27 \* 100 Line 23 \* Line 24 / 100 Monthly Fuel Filing Monthly Fuel Filing Line 11 / Line 12 \* 100 Line 8 \* Line 9 / 100 Line 6 / Line 7 \* 100 Monthly Fuel Filing Prior Month Cum. Bal + Line 30 2018-1-E Monthly Fuel Filing Line 21 / Line 22 \* 100 Monthly Fuel Filing Monthly Fuel Filing (Line 13 - Line 14) \* Line 12 / 100 2017-1-E, 2018-1-E Monthly Fuel Filing Monthly Fuel Filing Monthly Fuel Filing General Service (non-demand) Reference Reference 5.46% S Ş Ş Ş Ş \$ \$ S Ş Ş Ş S Ş Actual September 2018 5,427,393,740 4,653,962,859 Actual March 511,359,659 135,480 411,013,563 68,741 29,398,859 1,446,270 2,157 18,983,274 1,437,940 787,583 (48,718)(47,916)778,364 (25,238)(10,487)(10,052) 3,754 5,046 0.008 0.025 7,398 0.026 0.024 0.020 0.017 (802) S S S Ś S S S S Ś S Actual October 2018 5,150,522,556 4,494,045,504 578,449,399 98,282 533,237,463 102,444 Actual April 2018 25,905,784 19,396,612 875,102 894,255 863,379 873,319 1,511 (20,664) (47,779) 3,744 (13,684) (21,942)5,367 0.017 0.029 5,594 0.019 3,296 0.008 0.021 0.024 939 S S Ś Ś Ş Ş Ş S S S Ś Actual November 2018 4,723,872,382 0.023 505,054,037 4,644,699,960 461,633,361 96,874 Actual May 2018 43,187,370 1,161,039 943 19,878,431 (69,630) 1,092,352 1,083,871 (94,203) (14,979) 974,689 116,789 (19,019) \$ (47,260) \$ 6,378 \$ 0.027 0.021 0.008 0.015 0.024 5,290 \$ 2,923 \$ 519 \$ ς. ÷ Ş \$ ۍ Actual December 4,828,127,846 5,677,792,552 523,124,836 182,815 445,338,979 171,021 Actual 27,515,526 1,109,696 1,854,123 2,048,497 1,984,199 1,993,580 1,264 (195,638) (10,832)(43,881) \$ (9,769) \$ 9,339 9,983 1,451 0.008 0.842 0.038 3,379 0.036 0.035 9,250 \$ ş ş **ئ** Ş Ş Ş S Ş Actual January 2019 5,615,989,658 6,164,634,934 0.035 605,279,111 210,122 658,136,492 186,221 Actual July 2018 30,997,729 24,675,505 1,766,587 1,949,583 2,028,239 1,744,293 (24,914)(38,928) \$ 13,375 (78,656)10,169 11,403 \$ 1,634 \$ 0.033 0.054 0.028 2,619 0.008 4,953 \$ Ş \$ \$ Ş S S Ş S Actual February 2019 5,087,626,427 6,200,477,072 Actual August 2018 555,508,005 55,162 621,746,700 207,242 25,191,572 31,253,114 2,089,366 2,066,761 505,206 579,414 2,002 (24,607) (30,284)(74,208)11,317 3,511 3,131 0.033 0.014 0.010 8,644 0.009 0.036 1,497 0.008 Ŷ s Ş Ş S Ś Review Period Twelve Months Ended Feb 2019 62,669,145,490 6,409,881,605 297,493,472 (77,679) (548,351) 16,125,991 16,752,021 1,631,193 51,047 91,477 0.031 3,131

33

(Over) / Under Recovery

Line 31 + Line 32

Ş

3,131

Harrington Exhibit 4
Page 4 of 6
Docket No. 2019-1-E

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF ENVIRONMENTAL (OVER) / UNDER RECOVERY - GENERAL SERVICE (NON-DEMAND)
ACTUAL AND ESTIMATED COSTS AND REVENUES MARCH 2018 - JUNE 2019

0.010						(Line 49 / Line 50 * 100)	Calculated Rate (¢/kwh)	51 (
299,773,076						WP8a	SC Projected General Service (non-demand) kWh Sales July 2019 - June 2020	50 S
30,215	\$					Line 47 + Line 48	Adjustment(s) Adjusted Cumulative SC General Service (non-demand) Environmental Costs (Over) / Under Recovery	48 <i>f</i> 49 (
30,215	30,215	19,253 \$	14,129 \$	8,833 \$	↔	Prior Month Cum. Bal + Line 46	Under Recovery	47 (
78,131	10,962 \$	5,124 \$	5,296 \$	5,702 \$	↔	(Line 44 - Line 45) * Line 43 / 100	SC Geller at set vice (Illott-definatio) Environmental Costs (Over) / Cumulative SC General Service (non-demand) Environmental Costs (Over) /	46 F
	0.008	0.008	0.008	0.008		2018-1-E	SC General Service (non-demand) Environmental Costs Billed ¢/kwh	45 \$
	0.051	0.029	0.030	0.038		Line 42 / Line 43 * 100	SC General Service (non-demand) Environmental Costs Incurred ¢/kwh	44 5
389,612,876	25,241,053	24,173,210	23,902,363	18,802,778		WP8a	Projected SC General Service (non-demand) kWh Sales	43 F
125,930	12,981 \$	7,058 \$	7,208 \$	7,206 \$	↔	Line 41 * Line 1	SC General Service (non-demand) Environmental Cost Allocated by Firm CP	42 S
81,355,454,312 8,368,739,314 2,172,442	5,204,419,092 0.038 541,036,670 203,930 \$	4,446,396,083 0.023 491,046,715 110,876 \$	4,482,512,031 0.022 510,686,159 113,241 \$	4,552,981,616 0.027 416,088,164 113,201 \$	₩	WP8 Line 37 / Line 38 * 100 WP8 Line 39 * Line 40 / 100	Projected Total System Sales Environmental System Costs Incurred ¢/kwh Projected SC Retail Sales kWh SC Environmental Costs	38 F 39 E 40 F
21,324,297	1,961,674 \$	1,003,974 \$	993,968 \$	1,238,690 \$	↔	Sum Lines 34 thru 36	Net Environmental Costs	37 N
22,044,654 (72,186) (648,172)	1,963,082 \$ 2,889 (4,297)	1,014,503 \$ 1,431 (11,960)	1,004,394 \$ 1,173 (11,599)	1,310,655 \$ - (71,965)	<b>ب</b>	WP7 WP7 WP7	Total Reagents Emission Allowances Amounts Recovered in Off-System Sales	34 T 35 E 36 /
Sixteen Months Ended June 2019	Estimated S June 2019	Estimated May 2019	Estimated April 2019	Estimated March 2019		Reference	Description	Line No.
						General Service (non-demand) 6.37% 5.46%	Winter 2018 Firm Coincident Peak (CP) kWs Winter 2017 Firm Coincident Peak (CP) kWs	Line No. 1 2

## DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE CALCULATION OF ENVIRONMENTAL (OVER) / UNDER RECOVERY-GENERAL SERVICE (DEMAND) ACTUAL AND ESTIMATED COSTS AND REVENUES MARCH 2018 - JUNE 2019

Harrington Exhibit 4
Page 5 of 6
Docket No. 2019-1-E

33	31 32	30	29	28	27	26			22		20	18	Line No.	17	16	15	14	13	12	11	10	9 0	7	σ	, С	4	ω	Line No.		2 1	Line No.
Adjusted Cumulative SC General Service (demand) Environmental Costs (Over) / Under Recovery	Under Recovery  Adjustment(s)	Recovery  Cumulative SC General Service (demand) Environmental Costs (Over) /	SC General Service (demand) Environmental Costs Billed ¢ / kW SC General Service (demand) Environmental Costs (Over) / Under	SC General Service (demand) Environmental Costs Incurred ¢ / kW	SC General Service (demand) kW Sales	SC General Service (demand) Environmental Cost Allocated by Firm CP	SC Environmental Costs	Environmental System Costs Incurred ¢/kwh SC Retail Sales kWh	Total System Sales kWh	Net Environmental Costs	Amounts Recovered in Off-System Sales	Total Reagents	Description	Adjusted Cumulative SC Environmental Costs (Over) / Under Recovery	Prior Year Balance	SC General Service (demand) Environmental Costs (Over) / Under Recovery	SC General Service (demand) Environmental Costs Billed $\mathfrak{c}$ / kW	SC General Service (demand) Environmental Costs Incurred $\mathfrak c$ / kW	SC General Service (demand) kW Sales	SC General Service (demand) Environmental Cost Allocated by Firm CP	SC Environmental Costs	SC Retail Sales kWh	Total System Sales kWh	Net Environmental Costs	Amounts Recovered in Off-System Sales	Emission Allowances	Total Reagents	Description		Winter 2018 Firm Coincident Peak (CP) kWs  Winter 2017 Firm Coincident Peak (CP) kWs	
Line 31 + Line 32	Prior Month Cum. Bal + Line 30	(Line 28 - Line 29) * Line 27 / 100	2018-1-E	Line 26 / Line 27 * 100	Monthly Fuel Filing	P Line 25 * Line 2 (or Line 1)	Line 23 * Line 24 / 100	Line 21 / Line 22 * 100  Monthly Fuel Filing	Monthly Fuel Filing	Sum Lines 18 thru 20	Monthly Fuel Filing	Monthly Fuel Filing	Reference	/ Prior Month Cum. Bal + Line 15	2018-1-E	(Line 13 - Line 14) * Line 12 / 100	2017-1-E, 2018-1-E	Line 11 / Line 12 * 100	Monthly Fuel Filing	P Line 10 * Line 2	Line 8 * Line 9 / 100	Monthly Fuel Filing	Monthly Fuel Filing	Sum Lines 3 thru 5		Monthly Fuel Filing	Monthly Fuel Filing	Reference		32./3% 35.43%	General Service (demand)
	❖	❖				❖	❖			\$		❖	8	↔	❖	↔				❖	❖			·	<b>)</b>		❖				
	(119,730) \$	39,145 \$	1	5	885,000	47,994 \$	135,480 \$	0.026	5,427,393,740	1,437,940 \$	(10,487)	1,446,270 \$	Actual September 2018	(254,478) \$	(232,775)	(21,703) \$	7	4	657,929	24,352 \$	68,741 \$	411,013,563	4,653,962,859	//8,364 \$	1		787,583 \$	2018	Actual		
	(91,962) \$	27,768 \$	1	5	704,900	34,817 \$	98,282 \$	0.017 578.449.399	5,150,522,556	875,102 \$	(20,664)	894,255 \$	Actual October 2018	(264,813) \$		(10,335) \$	7	5	666,086	36,291 \$	102,444 \$	533,237,463	4,494,045,504	863,3/9 \$			873,319 \$	дрііі 2018	Actual		
	(57,062) \$	34,900 \$	1	6	647,300	41,373 \$	116,789 \$	0.023 505.054.037	4,723,872,382	1,092,352 \$	(69,630)	1,161,039 \$	Actual November 2018	(276,149) \$		(11,336) \$	7	v	652,200	34,318 \$	96,874 \$	461,633,361	4,644,699,960	9/4,689 \$		$\overline{}$	1,083,871 \$	2018	Actual		
	(2,694) \$	54,368 \$	1	10	621,700	60,585 \$	171,021 \$	0.038 445.338.979	4,828,127,846	1,854,123 \$	(195,638)	2,048,497 \$	Actual December 2018	(258,217) \$		17,932 \$	7	10	669,014	64,763 \$	182,815 \$	523,124,836	5,677,792,552	1,984,199 \$			1,993,580 \$	2018	Actual		
	61,979 \$	64,673 \$	1	17	409,400	68,767 \$	210,122 \$	0.035 605.279.111	5,615,989,658	1,949,583 \$	(78,656)	2,028,239 \$	Actual January 2019	(222,563) \$		35,654 \$	4	9	703,175	65,969 \$	186,221 \$	658,136,492	6,164,634,934	1,/44,293 \$			1,766,587 \$	2018	Actual		
<b>ب</b>	73,322 \$	11,343 \$	1	ω	671,000	18,053.07 \$	55,162 \$	0.010	5,087,626,427	505,206 \$	(74,208)	579,414 \$	Actual February 2019	(158,875)		63,688	1	9	805,885	73,416	207,242	621,746,700	6,200,477,072	2,066,761	(24,607)	2,002	2,089,366	2018	Actual		
73,322	73,322	306,097	1	7	8,093,589	570,699		6.409.881.605	62,669,145,490	16	(548,351)	16,	Review Period Twelve Months Ended Feb 2019																		

## DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE CALCULATION OF ENVIRONMENTAL (OVER) / UNDER RECOVERY-GENERAL SERVICE (DEMAND) ACTUAL AND ESTIMATED COSTS AND REVENUES MARCH 2018 - JUNE 2019

Harrington Exhibit 4
Page 6 of 6
Docket No. 2019-1-E

St Ge 51 (Decr	50 2020	Adjus 49 Costs sc pr	47 (Over 48 Adjus	SC Gener 46 Recovery	45 SC Ge	44 SC Ge	43 Proje	SC Ge 42 CP		39 Envir		37 Net E			34 Total	Line No.	Line No. 1 2
SC General Service (demand) Environmental Increment / (Decrement) Calculated Rate (¢/kw)	2020 2020	Adjusted Cumulative SC General Service (demand) Environmental Costs (Over) / Under Recovery SC Projected General Service (demand) KW Sales July 2019 - June	Cultulative SC Gelleral Service (dellialid) Elivifolillielital Costs (Over) / Under Recovery Adjustment(s)	SC General Service (demand) Environmental Costs (Over) / Under Recovery	SC General Service (demand) Environmental Costs Billed ¢ / kW	SC General Service (demand) Environmental Costs Incurred $\mathfrak c$ / kW	Projected SC General Service (demand) kW Sales	SC General Service (demand) Environmental Cost Allocated by Firm CP	SC Environmental Costs	Environmental System Costs Incurred C/kwh Proiected SC Retail Sales kWh	Projected Total System Sales kWh	Net Environmental Costs	Amounts Recovered in Off-System Sales	Emission Allowances	Total Reagents	Description	Winter 2018 Firm Coincident Peak (CP) kWs Winter 2017 Firm Coincident Peak (CP) kWs
(Line 49 / Line 50*100)	WP8a	Line 47 + Line 48	Prior Month Cum. Bal + Line 46	(Line 44 - Line 45) * Line 43 / 100	2018-1-E	Line 42 / Line 43 * 100	WP8a	Line 41 * Line 1	Line 39 * Line 40 / 100	Line 37 / Line 38 * 100 WP8		Sum Lines 34 thru 36	WP7	WP7	WP7	Reference	General Service (demand) 32.73% 35.43%
			₩	↔				↔	↔			\$	Ţ		↔		I
			103,914 \$	30,592 \$	Ь	6	645,500	37,048 \$	113,201 \$	0.027 416.088.164	4,552,981,616	1,238,690 \$	(71,965)	1	1,310,655 \$	Estimated March 2019	
			134,009 \$	30,095 \$	1	v	696,605	37,061 \$	113,241 \$	0.022 510.686.159	4,482,512,031	\$ 896,866	(11,599)		1,004,394 \$	Estimated April 2019	
			162,581 \$	28,573 \$	ъ	ъ	771,394	36,286 \$	110,876 \$	0.023 491.046.715	4,446,396,083	1,003,974 \$	(11,960)	1,431	1,014,503 \$	Estimated May 2019	
		₩	221,081	58,500 \$	Ь	<b>∞</b>	824,008	66,740 \$	203,930 \$	0.038 541.036.670	5,204,419,092	1,961,674 \$	(4,297)	2,889	1,963,082 \$	Estimated June 2019	
2	9,063,849	221,081	221,081	453,856			11,031,096	747,834	2,172,442	8.368.739.314	81,355,454,312	21,324,297	(648,172)	(72,186)	22,044,654	Sixteen Months Ended June 2019	

### Harrington Exhibit 5 Docket No. 2019-1-E

### DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE PROJECTED BILLING PERIOD ENVIRONMENTAL COSTS FOR THE 12 MONTHS JULY 2019 TO JUNE 2020

32 33	30 31	25 26 27 28 29	21 22 23 24	13 14 15 16 17 18 19	5 6 7 8 9 10 11 12	Line No.  1 2 3 4 Line No.
Projected Average Environmental Fuel Cost c/kW Projected SC KW sales General Service (demand) General Service (demand)	Projected Average Environmental Fuel Cost ¢/kWh Residential General Service (non-demand)	Projected SC Retail Sales kWh (July 2019-June 2020) Residential General Service (non-demand) General Service (demand) Lighting Total SC	SC Environmental Costs Allocated on Firm CP kWs Residential General Service (Non-demand) General Service (Demand) Total SC	Total Reagents Emission Allowances Estimated Amounts Recovered in Off-system Sales Net Environmental Costs Total Projected System Sales kWh (w/ solar) Environmental System Costs Incurred ¢/kWh Projected SC Retail Sales SC Environmental Costs	Total Reagents Emission Allowances Estimated Amounts Recovered in Off-system Sales Net Environmental Costs Total Projected System Sales kWh (w/ solar) Environmental System Costs Incurred ¢/kWh Projected SC Retail Sales SC Environmental Costs  Description  Description	Residential General Service (non-demand) General Service (demand) Total SC  Description
WP8a Line 23 / Line 32 * 100	Line 21 / Line 25 * 100 Line 22 / Line 26 * 100	WP8a WP8a WP8a WP8a Sum Lines 25 through 28	Total Line 20 * Line 1 Total Line 20 * Line 2 Total Line 20 * Line 3 Sum Lines 21 through 23	WP7 WP7 WP7 Sum Lines 13 thru 15 WP8 Line 16 / Line 17 *100 WP8 Line 18 * Line 19 / 100	WP7 WP7 WP7 Sum Lines 5 through 7 WP8 Line 8 / Line 9 * 100 WP8 Line 10 * Line 11 / 100 Reference	Winter 2018 Firm Coincident Peak (CP) KWs 777,822 81,290 417,943 1,277,055  Reference
				\$ \$ 5,67	\$ \$ 5,95	
				2,629,502 \$ 3,607 (125,273) 2,507,836 \$ 5,679,535,820 0.044 605,095,272 267,184	2,513,711 \$ 3,700 (4,637) 2,512,774 \$ 5,953,609,386 0.042 615,370,381 259,723  January 2020	CP % 60.91% 6.37% 32.73% 100.00%  July 2019
				2,587,287 \$ 3,570 (84,354) 2,506,503 \$ 5,466,072,140 0.046 594,590,939 272,654	2,483,623 \$ 3,751 (2,612) 2,484,762 \$ 6,010,985,735 0.041 630,455,795 260,612  February 2020	August 2019
				1,603,961 \$ 2,229 (23,636) 1,582,554 \$ 5,022,976,178 0.032 555,942,153 175,157	1,823,252 \$ 2,849 (4,322) 1,821,779 \$ 5,482,284,590 0.033 602,829,492 200,322  March 2020	September 2019
				427,009 \$ 575 (15,317) 412,267 \$ 4,423,919,449 0.009 512,389,178 47,750	1,229,970 \$ 1,874 (1,704) 1,230,140 \$ 4,671,693,496 0.026 524,692,648 138,161  April 2020	October 2019
				588,162 \$ 849 (19,248) 569,763 \$ 4,396,701,438 0.013 493,993,336 64,016	1,398,731 \$ 2,206 (7,443) 1,393,494 \$ 4,595,842,719 0.030 500,969,344 151,898  May 2020	November 2019
			<b>√</b>	1,448,839 \$ 2,073 (9,697) 1,441,215 \$ 5,136,235,584 0.028 541,309,853 151,890	2,122,014 3,415 (22,150) 2,103,279 5,172,638,730 0.041 552,701,752 224,738 June 2020 E	December 2019
9,063,849 <b>8</b>	0.059 0.047	2,301,521,005 299,773,076 4,032,970,877 96,075,184 6,730,340,143	1,348,554 140,937 724,611 2,214,102	20,856,061 30,698 (320,393) 20,566,366 62,012,495,267 6,730,340,143 2,214,102	Billing Period Twelve Months Ended June 2020	

Harrington Exhibit 6
Docket No. 2019-1-E

### DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE REVENUE ADJUSTMENT FACTOR FOR RECD FOR THE 12 MONTHS ENDED FEBRUARY 28, 2019

### Residential Adjustment Factor

ъ	4	ω	2	1
RECD Impact (Weighted Discount)	RECD Discount	RECD kWh Percent of Total Billed	Billed RECD kWh (12ME 2/28/19)	Billed kWh (12ME 2/28/19)
Line 3 X Line 4	RECD Discount	Line 2 / Line 1	1	Per Books
0.7268%	5.0000% (b)	14.5355%	307,864,983 (a)	2,118,023,917

### Notes:

- (a) Energy billed and discounted pursuant to Residential Energy Conservation Discount, Rider RECD-2C.
- (b) Five-percent discount provided under Residential Energy Conservation Discount, Rider RECD-2C.

# ELECTRONICALLY FILED - 2019 April 26 10:26 AM - SCPSC - Docket # 2019-1-E - Page 31 of 51

### DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE

## CALCULATION OF CAPACITY RELATED COSTS (OVER) / UNDER RECOVERY - RESIDENTIAL ACTUAL AND ESTIMATED COSTS AND REVENUES MARCH 2018 - JUNE 2019

Harrington Exhibit 7
Page 1 of 6
Docket No. 2019-1-E

Line No. Line No. **Line No** 20 21 22 23 23 17 29 30 25262728 18 19 16 11 12 13 14 15 10 9 8 7 ω 4 τ 2 SC Residential Capacity Related Cost Incurred (¢/kWh) SC Residential kWh Sales SC Residential Capacity Related Costs Allocated by Firm CP SC Retail Sales kWh **Total Capacity Related Costs** Firm Natural Gas Transportation and Storage Costs **PURPA Purchased Power Capacity Costs** Adjusted Cumulative SC Residential Capacity Related (Over) / Under Prior Year Balance SC Residential Capacity Related Cost Incurred (¢/kWh) SC Residential Capacity Related Costs Allocated by Firm CP Capacity Related System Costs Incurred (¢/kWh) Firm Natural Gas Transportation and Storage Costs Adjusted Cumulative SC Residential Capacity Related (Over) / Under Adjustment(s) SC Capacity Related (Over) / Under Recovery SC Residential Non-Fuel Base Rates Billed (¢/kWh) SC Capacity Related Costs Incurred Capacity Related System Costs Incurred (¢/kWh) Total System kWh Sales SC Capacity Related (Over) / Under Recovery SC Residential Non-Fuel Base Rates Billed (¢/kWh) SC Residential kWh Sales SC Capacity Related Costs Incurred SC Retail Sales kWh Total System kWh Sales **Total Capacity Related Costs PURPA Purchased Power Capacity Costs** Adjusted Cumulative SC Residential Capacity Related (Over) / Under Winter 2017 Firm Coincident Peak (CP) kWs Winter 2018 Firm Coincident Peak (CP) kWs Description Description Line 24 / Line 25 \* 100 Monthly Fuel Filing Monthly Fuel Filings Line 19 / Line 20 \* 100 Line 17 + Line 18 Monthly Fuel Filing **Monthly Fuel Filing** Line 10 / Line 11 \* 100 **Monthly Fuel Filing** Line 7 \* Line 8 / 100 **Monthly Fuel Filings** Monthly Fuel Filings Monthly Fuel Filing (Line 26 - Line 27)\*Line 25 /100 Line 23 \* Line 2 or (Line 1) Line 21 \* Line 22 / 100 **Monthly Fuel Filings** Prior Month Cum. Bal + Line 14 2018-1-E Line 9 \* Line 2 Line 5 / Line 6 \* 100 Lines 3 + Line 4 Monthly Fuel Filing Prior Month Cum. Bal + Line 28 2017-1-E, 2018-1-E (Line 12 - Line 13)\*Line 11 /100 Reference Residential Reference 59.11% 60.91%\$ \$ Ş \$ Ş Ş Ş Ş \$ \$ \$ \$ \$ Actual September 2018 5,427,393,740 4,653,962,859 Actual March 2018 143,961,446 411,013,563 192,472,913 511,359,659 19,764,765 14,520,622 11,019,595 10,231,278 9,533,487 3,501,027 1,100,816 1,862,202 1,151,420 1,282,385 1,942,614 1,072,233 (199,912) 758,065 79,187 0.312 0.676 0.572 0.364 0.472 0.527 \$ \$ \$ \$ Ş Ş Ş \$ \$ \$ \$ \$ 5,150,522,556 Actual October 2018 4,494,045,504 533,237,463 Actual April 2018 578,449,399 142,967,229 166,363,331 12,289,276 16,450,256 10,681,190 1,951,892 5,769,066 1,639,148 1,380,195 9,779,505 2,509,771 1,631,137 1,153,836 0.673 (303,466) 0.472 479,717 815,884 0.490 0.239 0.807 0.366 Ş \$ \$ \$ \$ Ş \$ \$ Ş \$ Ş \$ Actual November 2018 4,723,872,382 4,644,699,960 Actual May 2018 461,633,361 505,054,037 126,649,812 135,084,422 15,197,915 11,410,673 16,622,530 10,961,570 3,787,242 5,660,960 1,686,361 1,624,889 2,010,854 1,652,101 976,618 960,532 0.471 379,717 0.676 47,213 0.711 0.322 0.771 0.358 Actual December 2018 4,828,127,846 5,677,792,552 445,338,979 188,450,930 183,269,324 523,124,836 Actual June 2018 13,174,321 11,126,924 19,861,489 2,047,397 10,765,277 1,081,747 9,096,212 1,215,179 1,829,943 1,130,264 \$ 2,228,730 (556,097) \$ 718,337 217,876 0.350 0.676 0.471 0.590 0.381 ş \$ \$ <del>۷</del> ۷ \$ 6,164,634,934 5,615,989,658 Actual January 2019 Actual 605,279,111 658,136,492 July 2018 199,934,867 209,653,372 14,747,087 10,513,351 20,100,823 10,589,252 4,233,736 \$ 2,316,813 1,268,559 2,145,964 9,511,571 \$ 1,589,409 968,069 (384,000) \$ 746,264 \$ 88,083 0.676 0.563 0.605 0.484\$ \$ \$ \$ Actual February 2019 5,087,626,427 6,200,477,072 August 2018 Actual 555,508,005 621,746,700 206,574,763 5,175,127 10,049,308 205,859,617 15,224,435 20,290,492 10,930,096 2,034,609 9,360,396 1,012,481 1,662,326 1,202,733 2,142,526 0.669 (174,287) (384,503) 0.327 0.676 0.490 0.584 **У** У \$ Ş Ş

> Review Period Twelve Months

Ended Feb 2019

62,669,145,490

128,058,019 198,244,011

70,185,992

6,409,881,605

20,231,095 12,017,677

2,101,242,026

(710,472)

361,761

31

Line 29 + Line 30

Ş

361,761

## DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE CALCULATION OF CAPACITY RELATED COSTS (OVER) / UNDER RECOVERY - RESIDENTIAL ACTUAL AND ESTIMATED COSTS AND REVENUES MARCH 2018 - JUNE 2019

Harrington Exhibit 7
Page 2 of 6
Docket No. 2019-1-E

48	47	46	44 45	41 42 43	40	39	37	35 36	34	32 33	Line No.	2	Line No.
SC Projected Residential Capacity Related Increment / (Decrement) Calculated Rate (¢/kWh)	SC Projected Residential kWh Sales July 2019 - June 2020	Adjusted Cumulative SC Residential Capacity Related (Over) / Under Recovery	Adjusted Cumulative SC Residential Capacity Related (Over) / Under Recovery Adjustment(s)	SC Residential Capacity Related Cost Incurred (¢/kWh) SC Residential Non-Fuel Base Rates Billed (¢/kWh) SC Capacity Related (Over) / Under Recovery	Projected SC Residential kWh Sales	SC Residential Capacity Related Costs Allocated by Firm CP	Projected SC Retail Sales kWh	Projected Total System kWh Sales Capacity Related System Costs Incurred (¢/kWh)	Total Capacity Related Costs	PURPA Purchased Power Capacity Costs Firm Natural Gas Transportation and Storage Costs	. Description	Winter 2018 Firm Coincident Peak (CP) kWs Winter 2017 Firm Coincident Peak (CP) kWs	•
(Line 46 / Line 47 * 100)	WP8a	Line 44 + Line 45	Prior Month Cum. Bal + Line 43	Line 39 / Line 40 * 100 2018-1-E (Line 41 - Line 42)*Line 40 /100	WP8a	Line 38 * Line 1	WP8	WP8 Line 34 / Line 35 * 100	Line 32 + Line 33	WP 11 WP 11	Reference	60.91% 59.11%	Residential
			↔	₩		٠٠ ٠٠	ᠬ		\$	\$			
			202,811 \$	0.571 0.676 (158,950) \$	150,838,802	861,019 \$		4,552,981,616 0.340	15,468,664 \$	4,340,213 \$ 11,128,452	Estimated March 2019		
			511,968 \$	0.867 0.676 309,157 \$	161,472,415	1,400,711 \$		4,482,512,031 0.450	20,185,762 \$	6,895,799 \$ 13,289,963	Estimated April 2019		
			849,851 \$	0.920 0.676 337,883 \$	138,607,950	1,274,873 \$		4,446,396,083 0.426	18,953,155 \$	7,360,415 \$ 11,592,740	Estimated May 2019		
		\$	928,342	0.722 0.676 78,491 \$	171,939,263	1,240,800 \$		5,204,419,092 0.377	19,596,421 \$	7,026,331 \$ 12,570,091	Estimated June 2019		
0.040	2,301,521,005	928,342	928,342	(143,891)	2,724,100,457	16,795,080	8,368,739,314	81,355,454,312	272,448,014	95,808,749 176,639,265	Sixteen Months Ended June 2019		

### SOUTH CAROLINA RETAIL FUEL CASE CALCULATION OF CAPACITY RELATED COSTS (OVER) / UNDER RECOVERY - GENERAL SERVICE (NON-DEMAND) ACTUAL AND ESTIMATED COSTS AND REVENUES MARCH 2018 - JUNE 2019 **DUKE ENERGY PROGRESS, LLC**

Docket No. 2019-1-E Harrington Exhibit 7 Page 3 of 6

Line No. Line No. Line No. 30 29 28 252627 20 21 22 22 23 24 18 19 17 16 15 11 12 13 6 7 8 9 2 ω4υ SC Capacity Related Costs Incurred SC General Service (non-demand) Capacity Related Cost Allocated by Firm CP Prior Year Balance SC General Service (non-demand) Capacity Related Cost Incurred (¢/kWh) SC General Service (non-demand) Non-Fuel Base Rates Billed (¢/kWh) SC General Service (non-demand) Capacity Related Cost Allocated by Firm CP PURPA Purchased Power Capacity Costs Firm Natural Gas Transportation and Storage Costs Adjusted Cumulative SC General Service (non-demand) Capacity Related (Over) / Under Adjustment(s) Recovery Adjusted Cumulative SC General Service (non-demand) Capacity Related (Over) / Under SC Capacity Related (Over) / Under Recovery SC General Service (non-demand) Non-Fuel Base Rates Billed (¢/kWh) SC General Service (non-demand) kWh Sales
SC General Service (non-demand) Capacity Related Cost Incurred (¢/kWh) SC Retail Sales kWh Capacity Related System Costs Incurred (¢/kWh) Total System kWh Sales **Total Capacity Related Costs** Firm Natural Gas Transportation and Storage Costs **PURPA Purchased Power Capacity Costs** Adjusted Cumulative SC General Service (non-demand) Capacity Related (Over) / Under SC Capacity Related (Over) / Under Recovery SC General Service (non-demand) kWh Sales SC Capacity Related Costs Incurred SC Retail Sales kWh Capacity Related System Costs Incurred (¢/kWh) Total System kWh Sales **Total Capacity Related Costs** Winter 2017 Firm Coincident Peak (CP) kWs Winter 2018 Firm Coincident Peak (CP) kWs Description Description (Line 26 - Line 27)\*Line 25 /100 Line 23 \* Line 2 or (Line 1) Monthly Fuel Filing Prior Month Cum. Bal + Line 14 Line 10 / Line 11 \* 100 **Monthly Fuel Filings** Monthly Fuel Filings Monthly Fuel Filing Line 29 + Line 30 Line 24 / Line 25 \* 100 Monthly Fuel Filing Line 21 \* Line 22 / 100 **Monthly Fuel Filings** Line 19 / Line 20 \* 100 Line 17 + Line 18 Monthly Fuel Filing 2018-1-E Line 9 \* Line 2 Line 7 \* Line 8 / 100 Line 5 / Line 6 \* 100 Lines 3 + Line Monthly Fuel Filing Prior Month Cum. Bal + Line 28 2018-1-E Monthly Fuel Filings (Line 12 - Line 13)\*Line 11 /100 2017-1-E, 2018-1-E **Monthly Fuel Filing** General Service (non-demand) Reference Reference 5.46% 6.37% \$ \$ S S \$ \$ S S S \$ \$ S S Actual September 2018 5,427,393,740 4,653,962,859 March 511,359,659 1,862,202 Actual 411,013,563 2018 3,501,027 11,019,595 19,764,765 29,398,859 18,983,274 14,520,622 10,231,278 9,533,487 1,282,385 101,693 (23,546)(34,323) (36,210)(34,721)70,030 0.369 0.371 0.426 0.364 0.312 0.346 (398) S S S S 5 5 S S \$ \$ S S 5,150,522,556 0.239 Actual October 2018 4,494,045,504 Actual 578,449,399 533,237,463 2018 5,769,066 10,681,190 16,450,256 19,396,612 0.550 1,380,195 75,371 12,289,276 25,905,784 1,951,892 106,591 2,509,771 (34,886) \$ (71,096) \$ 34,630 0.291 0.426 0.371 0.366 (91) \$ \$ \$ s S S \$ \$ S S Actual November 2018 4,723,872,382 4,644,699,960 505,054,037 1,624,889 Actual 461,633,361 2018 10,961,570 16,622,530 19,878,431 43,187,370 15,197,915 3,787,242 5,660,960 1,652,101 (166,341) \$ (95,245) \$ 16,470 88,733 16,379 90,219 0.426 0.205 0.322 0.371 0.454 0.358 **⊹** s s **У** s ss S s December 4,828,127,846 5,677,792,552 Actual 445,338,979 1,215,179 Actual 523,124,836 2018 2018 9,096,212 10,765,277 19,861,489 27,515,526 13,174,321 \$ 2,047,397 1,829,943 1,109,696 (104,708) \$ 66,360 61,633 \$ 14,227 \$ 99,931 (2,152) \$ 0.426 0.273 0.371 0.363 0.350 5.980 s \$ \$ S S \$ \$ January 5,615,989,658 6,164,634,934 605,279,111 1,589,409 Actual Actual 2019 658,136,492 2018 9,511,571 10,589,252 24,675,505 14,747,087 30,997,729 20,100,823 10,513,351 4,233,736 2,145,964 (108,543) \$ 101,173 117,189 (3,835) \$ 0.410 0.263 0.426 (5,454) \$ 0.396 0.378 0.326 8,773 s S \$ \$ S ያ ያ S S Actual February 2019 5,087,626,427 6,200,477,072 555,508,005 1,662,326 August Actual 621,746,700 2018 9,360,396 10,930,096 20,290,492 25,191,572 31,253,114 15,224,435 10,049,308 5,175,127 2,034,609 (110,045)105,814 111,108 (12,664)(21,437)0.327 (1,502) \$ 0.299 0.426 0.420 0.424 0.356 s S \$ \$ S Review Period Twelve Months Ended Feb 2019 6,409,881,605 20,231,095 62,669,145,490 198,244,011 297,493,472 128,058,019 70,185,992 1,134,212

(110,045)

(110,045)

(75,722)

0.381

# DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE CALCULATION OF CAPACITY RELATED COSTS (OVER) / UNDER RECOVERY - GENERAL SERVICE (NON-DEMAND) ACTUAL AND ESTIMATED COSTS AND REVENUES MARCH 2018 - JUNE 2019

Harrington Exhibit 7
Page 4 of 6
Docket No. 2019-1-E

(0.001)						(Line 46 / Line 47 * 100)	Calculated Rate (¢/kWh)	48 Ca	
299,773,076						WP8a	SC Projected General Service (non-demand) Canacity Belated Increment / (Decrement)	47 SO	
(3,189)	❖					Line 44 + Line 45	Adjusted Cumulative SC General Service (non-demand) Capacity Related (Over) / Under Recovery	46 Re	
(3,189)	(3,189)	(25,338) \$	(55,597) \$	(100,161) \$	٠	Prior Month Cum. Bal + Line 43	Recovery Adjustment(s)	44 Re 45 A	
31,134	22,149 \$	30,259 \$	44,564 \$	9,884 \$	· •	(Line 41 - Line 42)*Line 40 /100	SC Capacity Related (Over) / Under Recovery Adjusted Cumulative SC General Service (non-demand) Capacity Related (Over) / Under		
	0.514 0.426	0.551 0.426	0.612 0.426	0.479 0.426		Line 39 / Line 40 * 100 2018-1-E	SC General Service (non-demand) Capacity Related Cost Incurred (¢/kWh) SC General Service (non-demand) Non-Fuel Base Rates Billed (¢/kWh)	41 SC 42 SC	
389,612,876	25,241,053	24,173,210	23,902,363	18,802,778		WP8a	Projected SC General Service (non-demand) kWh Sales		
1,633,497	129,676 \$	133,237 \$	146,388 \$	89,985 \$	\$	Line 38 * Line 1	SC General Service (non-demand) Capacity Related Cost Allocated by Firm CP	39 SC	
28,074,799	2,037,188 \$	2,093,130 \$	2,299,735 \$	1,413,651 \$	٠	Line 36 * Line 37 / 100	SC Capacity Related Costs Incurred		
8,368,739,314	541,036,670	491,046,715	510,686,159	416,088,164		WP8	Projected SC Retail Sales kWh		
81,355,454,312	0.377	4,446,396,083 0.426	4,482,512,031	4,552,981,616 0.340		WP8 Line 34 / Line 35 * 100	Total Projected System Kwn Sales  Capacity Related System Costs Incurred (¢/kWh)	36 C	
01 255 454 212	19,090,421 \$	10,900,100 \$	20,100,702 \$	15,400,004 \$	٠	Lille 32 + Lille 33	Total Capacity Neidled Costs		
176,639,265					<b>Դ</b>	WP 11	Firm Natural Gas Transportation and Storage Costs		
95,808,749	7,026,331 \$	7,360,415 \$	6,895,799 \$	4,340,213 \$	\$	WP 11	PURPA Purchased Power Capacity Costs		
Sixteen Months Ended June 2019	Estimated Si June 2019	Estimated May 2019	Estimated April 2019	Estimated March 2019		Reference	Description	Line No.	<u> </u> _
					l	General Service (non-demand) 6.37% 5.46%	Winter 2018 Firm Coincident Peak (CP) kWs Winter 2017 Firm Coincident Peak (CP) kWs	Line No. 1 2	<b> </b> ⊑

### Harrington Exhibit 7 Page 5 of 6 Docket No. 2019-1-E

## DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE CALCULATION OF CAPACITY RELATED COSTS (OVER) / UNDER RECOVERY - GENERAL SERVICE (DEMAND) ACTUAL AND ESTIMATED COSTS AND REVENUES MARCH 2018 - JUNE 2019

30 Ac Ac 31 Re		28 SC	25 SC 26 SC 27 SC	20 To 21 Ca 22 SO 23 SO 24 SO	17 PU 18 Fin 19 To	Line No.	16 Re	14 SC 15 Pr	11 SC 12 SC 13 SC	6 Tot 7 Ca <sub>l</sub> 8 SC 9 SC 10 SC	3 PU 4 Fi 5 To	Line No.	Line No. 1 2
Adjustment(s) Adjusted Cumulative SC General Service (demand) Capacity Related (Over) / Under Recovery	Recovery	SC General Service (demand) Capacity Related Costs (Over) / Under Recovery	SC General Service (demand) kW Sales SC General Service (demand) Capacity Related Costs Incurred (¢/kW) SC General Service (demand) Non-Fuel Base Rates Billed (¢/kW)	Total System kWh Sales Capacity Related System Costs Incurred (¢/kWh) SC Retail Sales kWh SC Capacity Related Costs Incurred SC General Service (demand) Capacity Related Cost Allocated by Firm CP	PURPA Purchased Power Capacity Costs Firm Natural Gas Transportation and Storage Costs Total Capacity Related Costs	Description	Adjusted Callidative SC Gelielal Selvice (dellialid) Capacity Related (Over) / Olidel Recovery	SC General Service (demand) Capacity Related Costs (Over) / Under Recovery Prior Year Balance	SC General Service (demand) kW Sales SC General Service (demand) Capacity Related Costs Incurred (¢/kW) SC General Service (demand) Non-Fuel Base Rates Billed (¢/kW)	Total System kWh Sales Capacity Related System Costs Incurred (¢/kWh) SC Retail Sales kWh SC Capacity Related Costs Incurred SC General Service (demand) Capacity Related Cost Allocated by Firm CP	PURPA Purchased Power Capacity Costs Firm Natural Gas Transportation and Storage Costs Total Capacity Related Costs	Description	Winter 2018 Firm Coincident Peak (CP) kWs Winter 2017 Firm Coincident Peak (CP) kWs
Line 29 + Line 30	Prior Month Cum. Bal + Line 28	(Line 26 - Line 27)*Line 25 /100	Monthly Fuel Filing Line 24 / Line 25 * 100 2018-1-E	Monthly Fuel Filings Line 19 / Line 20 * 100 Monthly Fuel Filings Line 21 * Line 22 / 100 Line 23 * Line 2 or (Line 1)	Monthly Fuel Filing Monthly Fuel Filing Line 17 + Line 18	Reference	Prior Month Cum. Bal + Line 14	(Line 12 - Line 13)*Line 11 /100 2018-1-E	Monthly Fuel Filing Line 10 / Line 11 * 100 2017-1-E, 2018-1-E	Monthly Fuel Filings Line 5 / Line 6 * 100 Monthly Fuel Filings Line 7 * Line 8 / 100 Line 9 * Line 2	Monthly Fuel Filing Monthly Fuel Filing Lines 3 + Line 4	Reference	General Service (demand) 32.73% 35.43%
	↔	❖		w w	<b>ب</b> ب	<u>د</u>	↔	<b>ዏ</b> ዏ		w w	<b>↔</b> •		
	454,674 \$	(124,855) \$	885,000 75 89	5,427,393,740 0.364 511,359,659 1,862,202 \$ 659,693 \$	9,533,487 \$ 10,231,278 19,764,765 \$	Actual September 2018	406,829 \$	(177,328) \$ 584,157	657,929 69 96	4,653,962,859 0.312 411,013,563 1,282,385.09 \$ 454,290 \$	3,501,027 \$ 11,019,595 14,520,622 \$	Actual March 2018	
	323,374 \$	(131,300) \$	704,900 69 88	5,150,522,556 0.239 578,449,399 1,380,195 \$ 488,940 \$	2,509,771 \$ 9,779,505 12,289,276 \$	Actual October 2018	458,856 \$	52,027 \$	666,086 104 96	4,494,045,504 0.366 533,237,463 1,951,892 \$ 691,466 \$	5,769,066 \$ 10,681,190 16,450,256 \$	Actual April 2018	
	326,069 \$	2,695 \$	647,300 89 89	4,723,872,382 0.322 505,054,037 1,624,889 \$ 575,624 \$	3,787,242 \$ 11,410,673 15,197,915 \$	Actual November 2018	418,009 \$	(40,847) \$	652,200 90 96	4,644,699,960 0.358 461,633,361 1,652,101 \$ 585,264 \$	5,660,960 \$ 10,961,570 16,622,530 \$	Actual May 2018	
	209,434 \$	(116,635) \$	621,700 69 88	4,828,127,846 0.273 445,338,979 1,215,179 \$ 430,482 \$	2,047,397 \$ 11,126,924 13,174,321 \$	Actual December 2018	423,919 \$	5,910 \$	669,014 97 96	5,677,792,552 0.350 523,124,836 1,829,943 \$ 648,265 \$	9,096,212 \$ 10,765,277 19,861,489 \$	Actual June 2018	
	369,300 \$	159,866 \$	409,400 127 88	5,615,989,658 0.263 605,279,111 1,589,409 \$ 520,167 \$	4,233,736 \$ 10,513,351 14,747,087 \$	Actual January 2019	531,958 \$	108,039 \$	703,175 108 93	6,164,634,934 0.326 658,136,492 2,145,964 \$ 760,217 \$	9,511,571 \$ 10,589,252 20,100,823 \$	Actual July 2018	
\$	323,213	(46,087) \$	671,000 81 88	5,087,626,427 0.299 555,508,005 1,662,326 \$ 544,031 \$	5,175,127 \$ 10,049,308 15,224,435 \$	Actual February 2019	579,529	47,571	805,885 89 84	6,200,477,072 0.327 621,746,700 2,034,609 720,769	9,360,396 10,930,096 20,290,492	Actual August 2018	
323,213	323,213	(260,944)	8,093,589	62,669,145,490 6,409,881,605 20,231,094 7,079,207	70,185,992 128,058,019 198,244,011	Review Period Twelve Months Ended Feb 2019							

Harrington Exhibit 7
Page 6 of 6
Docket No. 2019-1-E

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF CAPACITY RELATED COSTS (OVER) / UNDER RECOVERY - GENERAL SERVICE (DEMAND)
ACTUAL AND ESTIMATED COSTS AND REVENUES MARCH 2018 - JUNE 2019

Line No.  Description  Description  Reference  32 PURPA Purchased Power Capacity Costs 33 Firm Natural Gas Transportation and Storage Costs 34 Total Capacity Related Costs 36 Capacity Related System KWh Sales 37 Foral Projected System KWh Sales 38 Capacity Related Costs Incurred (c/kWh) 39 Projected SC Retail Sales kWh 30 SC Capacity Related Costs Incurred 40 Projected Scrice (demand) Capacity Related Costs Incurred (c/kW) 41 SC General Service (demand) Non-Fuel Base Rates Billed (c/kW) 42 SC General Service (demand) Non-Fuel Base Rates Billed (c/kW) 43 SC General Service (demand) Non-Fuel Base Rates Billed (c/kW) 44 SC General Service (demand) Service (demand) Capacity Related Costs (Over) / Under Recovery 45 Adjustment(s) 46 Under Recovery 47 SC Projected General Service (demand) KW Sales July 2019 - June 2020 47 SC Projected General Service (demand) KW Sales July 2019 - June 2020 48 SC General Service (demand) Environmental Capacity Related Increment/ 49 SC General Service (demand) KW Sales July 2019 - June 2020 47 SC General Service (demand) KW Sales July 2019 - June 2020 48 SC General Service (demand) KW Sales July 2019 - June 2020 47 SC General Service (demand) KW Sales July 2019 - June 2020 48 SC General Service (demand) KW Sales July 2019 - June 2020 48 SC General Service (demand) KW Sales July 2019 - June 2020 49 SC General Service (demand) KW Sales July 2019 - June 2020	sts (Over) /
Winter 2018 Firm Coincident Peak (CP) kWs Winter 2017 Firm Coincident Peak (CP) kWs  Description  PURPA Purchased Power Capacity Costs Firm Natural Gas Transportation and Storage Costs Total Capacity Related Costs  Total Projected System kWh Sales Capacity Related System Costs Incurred (c/kWh) Projected SC Retail Sales kWh SC Capacity Related Costs Incurred SC General Service (demand) Capacity Related Cost Allocated by Firm CP  Projected SC General Service (demand) kW Sales SC General Service (demand) Non-Fuel Base Rates Billed (c/kW) SC General Service (demand) Capacity Related Costs (Over) / Under Recovery Adjusted Cumulative SC General Service (demand) Capacity Related Costs (Over) / Under Recovery Adjusted Cumulative SC General Service (demand) Capacity Related Costs (Over) / Under Recovery	
Winter 2018 Firm Coincident Peak (CP) kWs Winter 2017 Firm Coincident Peak (CP) kWs  Winter 2017 Firm Coincident Peak (CP) kWs  Description  Descrip	
Winter 2018 Firm Coincident Peak (CP) kWs Winter 2017 Firm Coincident Peak (CP) kWs  Winter 2017 Firm Coincident Peak (CP) kWs  Description  Descrip	
Winter 2018 Firm Coincident Peak (CP) kWs Winter 2017 Firm Coincident Peak (CP) kWs   Description  Description  PURPA Purchased Power Capacity Costs Firm Natural Gas Transportation and Storage Costs  Total Capacity Related Costs Incurred (c/kWh)  Projected System kWh Sales Capacity Related System Costs Incurred SC Capacity Related Costs Incurred SC General Service (demand) Capacity Related Cost Allocated by Firm CP  Projected SC General Service (demand) kW Sales SC General Service (demand) Non-Fuel Base Rates Billed (c/kW) SC General Service (demand) Capacity Related Costs (Over) / Under Recovery	
Winter 2017 Firm Coincident Peak (CP) kWs  Winter 2017 Firm Coincident Peak (CP) kWs  Winter 2017 Firm Coincident Peak (CP) kWs  Description  Description  Description  WP 11  Firm Natural Gas Transportation and Storage Costs  Total Pourchased Power Capacity Costs  Capacity Related Costs  Capacity Related System kWh Sales  Capacity Related System Costs Incurred (c/kWh)  Projected SC Retail Sales kWh  SC Capacity Related Costs Incurred  SC General Service (demand) Capacity Related Cost Allocated by Firm CP  Projected SC General Service (demand) KW Sales  SC General Service (demand) Capacity Related Costs Incurred (c/kW)  SC General Service (demand) Non-Fuel Base Rates Billed (c/kW)  SC General Service (demand) Non-Fuel Base Rates Billed (c/kW)  SC General Service (demand) Non-Fuel Base Rates Billed (c/kW)	
Winter 2018 Firm Coincident Peak (CP) kWs  Winter 2017 Firm Coincident Peak (CP) kWs   Description  Description  Description  PURPA Purchased Power Capacity Costs Firm Natural Gas Transportation and Storage Costs  Total Capacity Related Costs  Total Projected System kWh Sales Capacity Related System Costs Incurred (¢/kWh) Projected SC Retail Sales kWh SC Capacity Related Costs Incurred SC General Service (demand) Capacity Related Cost Allocated by Firm CP  Projected SC General Service (demand) kW Sales SC General Service (demand) Capacity Related Costs Incurred (¢/kW)  Line 39 / Line 40  WP8a SC General Service (demand) Capacity Related Costs Incurred (¢/kW)  Line 39 / Line 40	
Winter 2018 Firm Coincident Peak (CP) kWs  Winter 2017 Firm Coincident Peak (CP) kWs   Description  Description  PURPA Purchased Power Capacity Costs Firm Natural Gas Transportation and Storage Costs  Total Capacity Related Costs  Total Projected System kWh Sales  Capacity Related System Costs Incurred (¢/kWh) Projected SC Retail Sales kWh SC Capacity Related Costs Incurred SC General Service (demand) Capacity Related Cost Allocated by Firm CP  WP8  Projected SC General Service (demand) kW Sales  WP8a	
Winter 2018 Firm Coincident Peak (CP) kWs  Winter 2017 Firm Coincident Peak (CP) kWs   Description  Description  PURPA Purchased Power Capacity Costs Firm Natural Gas Transportation and Storage Costs Total Capacity Related Costs  Total Projected System kWh Sales Capacity Related System Costs Incurred (¢/kWh) Projected SC Retail Sales kWh SC Capacity Related Costs Incurred SC Capacity Related Costs Incurred Line 35 * Line 35 * Line 36 * Line 37 * Line 37 * Line 38 * Line 3	WP8a
Winter 2018 Firm Coincident Peak (CP) kWs  Winter 2017 Firm Coincident Peak (CP) kWs  Poscription  Purpa Purchased Power Capacity Costs Firm Natural Gas Transportation and Storage Costs  Total Capacity Related Costs  Total Projected System kWh Sales Capacity Related System Costs Incurred (¢/kWh)  Projected SC Retail Sales kWh  SC Capacity Related Costs Incurred  WP8  Line 35  Line 36 * Line 35  Line 36 * Line 37	
Winter 2018 Firm Coincident Peak (CP) kWs  Winter 2017 Firm Coincident Peak (CP) kWs  Description  Description  PURPA Purchased Power Capacity Costs Firm Natural Gas Transportation and Storage Costs Total Capacity Related Costs  Total Projected System kWh Sales Capacity Related System Costs Incurred (¢/kWh) Projected SC Retail Sales kWh  WP8  WP8	Line 36 * Line 37 / 1
Winter 2018 Firm Coincident Peak (CP) kWs  Winter 2017 Firm Coincident Peak (CP) kWs  Description  PURPA Purchased Power Capacity Costs Firm Natural Gas Transportation and Storage Costs Total Capacity Related Costs  Total Projected System kWh Sales Capacity Related System Costs Incurred (¢/kWh)  WP8 Line 35	WP8
Winter 2018 Firm Coincident Peak (CP) kWs  Winter 2017 Firm Coincident Peak (CP) kWs  Description  PURPA Purchased Power Capacity Costs Firm Natural Gas Transportation and Storage Costs Total Capacity Related Costs  Total Projected System kWh Sales  WP 11  Line 33	Line 34 / Line 35 * 1
Winter 2018 Firm Coincident Peak (CP) kWs  Winter 2017 Firm Coincident Peak (CP) kWs  Description  PURPA Purchased Power Capacity Costs Firm Natural Gas Transportation and Storage Costs  Total Capacity Related Costs  Line 32 + Line 33	WP8
Winter 2018 Firm Coincident Peak (CP) kWs Winter 2017 Firm Coincident Peak (CP) kWs  Description  PURPA Purchased Power Capacity Costs Firm Natural Gas Transportation and Storage Costs  WP 11 WP 11	Line 32 + Line 33
Winter 2018 Firm Coincident Peak (CP) kWs Winter 2017 Firm Coincident Peak (CP) kWs  Description  PURPA Purchased Power Capacity Costs  WP 11	WP 11
Winter 2018 Firm Coincident Peak (CP) kWs Winter 2017 Firm Coincident Peak (CP) kWs  Description	WP 11
Winter 2018 Firm Coincident Peak (CP) kWs Winter 2017 Firm Coincident Peak (CP) kWs	Ref
Winter 2018 Firm Coincident Peak (CP) kWs Winter 2017 Firm Coincident Peak (CP) kWs	

### Harrington Exhibit 8 Docket No. 2019-1-E

### DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE PROJECTED CAPACITY RELATED COSTS FOR THE 12 MONTHS JULY 2019 TO JUNE 2020

34 Genera ¢/kW	33 Project	SC Capacity 30 Residential 31 General Se 32 Lighting	25 Residential 26 General Se 27 General Se 28 Lighting 29 Total SC	SC Capacit 20 Residential 21 General Se 22 General Se 23 Lighting 24 Total SC	13 PURPA 14 Firm N 15 Total C 16 Total P 17 Capaci 18 Project 19 SC Pur	9 Total P 10 Capaci 11 Project 12 SC Pur	6 PURPA 7 Firm N 8 Total C	Line No.  1 Residential 2 General Se 3 General Se 4 Lighting 5 Total SC
General Service Demand charge for Capacity Related Costs ¢/kW	Projected SC KW Sales (General Service demand)	SC Capacity Related Costs ¢/kWh Residential General Service (non-demand) Lighting	Projected SC Retail Sales kWh (July 2019-June 2020) Residential General Service (non-demand) General Service (demand) Lighting Total SC	SC Capacity Related Costs Allocated on Firm CP kWs Residential General Service (non-demand) General Service (demand) Lighting Total SC	PURPA Purchased Power Capacity Costs Firm Natural Gas Transportation and Storage Costs Total Capacity Related Costs  Total Projected System Sales kWh (w/ solar) Capacity Related System Costs Incurred (¢/Kwh) Projected SC Retail Sales SC Purchased Power Capacity Costs	Total Projected System Sales kWh (w/ solar) Capacity Related System Costs Incurred (¢/Kwh) Projected SC Retail Sales SC Purchased Power Capacity Costs  Description	PURPA Purchased Power Capacity Costs Firm Natural Gas Transportation and Storage Costs Total Capacity Related Costs	Class Residential General Service (non-demand) General Service (demand) Lighting Total SC  Description
Line 22 / Line 33 * 100	WP8a	Line 20 / Line 25 * 100 Line 21 / Line 26 * 100 Line 23 / Line 28 * 100	WP8a WP8a WP8a WP8a Sum Lines 25 through 28	Total Line 19 * Line 1 Total Line 19 * Line 2 Total Line 19 * Line 3 Total Line 19 * Line 4 Sum Lines 20 through 23	WP 11 WP 11 Line 13 + Line 14 WP8 Line 15 / Line 16 *100 WP8 Line 17 * Line 18 /100	WP8 Line 8 / Line 9 *100 WP8 Line 10 * Line 11 /100  Reference	WP 11 WP 11 Line 6 + Line 7	Winter 2018 Firm Coincident Peak (CP) KWs 777,822 81,290 417,943 0 1,277,055  Reference
					\$ 5,668,143 \$ 11,945,915 \$ 17,614,058 \$ 5,679,535,820 0.310 605,095,272 \$ 1,876,594 \$	5,953,609,386 0.328 615,370,381 \$ 2,018,139 \$ January 2020	\$ 7,019,425 \$ 12,505,745 \$ 19,525,170 \$	CP % 60.91% 6.37% 32.73% 0.00% 100.00% July 2019
					5,649,634 \$ 11,916,756 17,566,391 \$ 5,466,072,140 0.321 594,590,939 1,910,845 \$	6,010,985,735 0.326 630,455,795 2,052,877 \$ February 2020	7,039,482 \$ 12,533,366 19,572,848 \$	August 2019
					6,865,836 \$ 12,815,891 19,681,727 \$ 5,022,976,178 0.392 555,942,153 2,178,370 \$	5,482,284,590 0.343 602,829,492 2,068,863 \$ March 2020	6,319,877 \$ 12,494,887 18,814,763 \$	September 2019
					7,138,992 \$ 12,433,847 19,572,840 \$ 4,423,919,449 0.442 512,389,178 2,266,974 \$	4,671,693,496 0.404 524,692,648 2,121,196 \$ April 2020	6,113,809 \$ 12,772,631 18,886,440 \$	October 2019
					7,756,554 \$ 11,556,092 19,312,645 \$ 4,396,701,438 0.439 493,993,336 2,169,881 \$	4,595,842,719 0.405 500,969,344 2,027,052 \$ <b>May</b> <b>2020</b>	5,391,156 \$ 13,204,814 18,595,970 \$	November 2019
			ſ	<b>∽</b>	7,371,349 \$ 12,160,411 19,531,760 \$ 5,136,235,584 0.380 541,309,853 2,058,460 \$	5,172,638,730 0.341 552,701,752 1,884,965 June 2020	5,198,877 12,442,182 17,641,060	December 2019
89	9,063,849	0.652 0.523 0.000	2,301,521,005 299,773,076 4,032,970,877 96,075,184 6,730,340,143	15,004,080 1,568,073 8,062,063 - 24,634,216	77,533,133 148,782,538 226,315,671 62,012,495,267 6,730,340,143 24,634,216	Billing Period Twelve Months Ended June 2020		

### DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE DISTRIBUTED ENERGY RESOURCE PROGRAM INCREMENTAL (OVER) / UNDER RECOVERY ACTUAL AND ESTIMATED COSTS MARCH 2018 - JUNE 2019

Harrington Exhibit 9 Page 1 of 2 Docket No. 2019-1-E

28	27	26	25	24	23	22	21	20	19	18	17	16	15		Line No.			14		13	12	11	10	9	<b>∞</b>	7	6	<sub>5</sub>	5	4	ω	2	1		Line No.	
Cumulative SC DERP Incremental Costs (Over) / Under Recovery	Adjustments	SC DERP Incremental Costs (Over) / Under Recovery	Revenue Collected	Total DER Incremental Costs	Interest on under-collection due to cap	General and Administrative Expenses	NEM Meter Costs	NEM Avoided Capacity Costs	Shared Solar Program	Solar Rebate Program - Carrying Costs	Solar Rebate Program - Amortization	DER NEM Incentive	Purchased Power Agreements	DERP Incremental Costs	Description			Recovery	Cumulative SC DERP Incremental Costs (Over) / Under	Adjustments	(Over) / Under Cumulative Balance - February 2018	SC DERP Incremental Costs (Over) / Under Recovery	Revenue Collected	Total DER Incremental Costs	Interest on under-collection due to cap	General and Administrative Expenses	NEM Meter Costs	NEM Avoided Capacity Costs	Shared Solar Program	Solar Rebate Program - Carrying Costs	Solar Rebate Program - Amortization	DER NEM Incentive	Purchased Power Agreements	DERP Incremental Costs	Description	
Prior Month Cumulative Balance + Line 26 + Line 27		Line 24 - Line 25	Monthly Fuel Filing	Sum Lines 15 through 23	ORS AIR 1-81	Monthly Fuel Filing	Monthly Fuel Filing	Monthly Fuel Filing	Monthly Fuel Filing	Monthly Fuel Filing	Monthly Fuel Filing	Monthly Fuel Filing	Monthly Fuel Filing		Reference			Line 11 + Line 13	Prior Month Cumulative Balance +		2018-1-E	Line 9 - Line 10	Monthly Fuel Filing	Sum Lines 1 through 8	ORS AIR 1-81	Monthly Fuel Filing	Monthly Fuel Filing	Monthly Fuel Filing	Monthly Fuel Filing	Monthly Fuel Filing	Monthly Fuel Filing	Monthly Fuel Filing	Monthly Fuel Filing		Reference	
<b>\$</b>		<b>ب</b>		φ.									❖			Se		❖				❖		❖									Ş			
(518,066) \$		82,282 \$	157,397	239,679 \$	50	24,208	7,206	2,529		72,014	75,168	58,504	· \$		2018	September	Actual	(541,339) \$			(448,552)	(92,787) \$		163,504 \$		35,802	3,320	1,307	1	48,869	50,020	24,186	- \$		2018	Actual March
(452,317) \$		65,749 \$	172,809	238,558 \$	43	27,419	7,376	1,797	(5)	71,404	75,168	55,356	- \$		2018	October	Actual	(634,011) \$				(92,672) \$	256,062	163,390 \$		26,444	3,597	237	ı	52,675	57,739	22,698	- \$		2018	Actual April
(363,223) \$		89,094 \$	164,964	254,058 \$	55	32,345	7,522	2,501	(147)	72,070	77,317	62,396	- \$		2018	November	Actual	(707,644) \$				(73,633) \$		182,799 \$	27	24,650	5,323	2,228	1	58,593	62,207	29,771	- \$		2018	Actual May
(251,280) \$		111,943 \$	157,891	269,834 \$	66	42,639	7,736	2,658	219	72,724	77,317	66,475	- \$		2018	December	Actual	(702,927) \$				4,717 \$		259,961 \$	25	25,156	6,296	5,468	ı	63,354	67,717	91,945	- \$		2018	Actual June
(85,611) \$		165,669 \$	167,477	333,146 \$	37	44,132	7,824	2,710	(79)	72,288	77,317	72,360	56,557 \$		2019	January	Actual	(661,166) \$				41,761 \$	213,306	255,067 \$	51	51,552	9,389	1,940	ı	69,382	74,720	48,033	- \$		2018	Actual July
6,239 \$		91,850 \$	165,563	257,413 \$	33	16,918	8,510	2,419	(250)	71,853	77,317	76,526	4,087 \$		2019	February	Actual	(600,348)				60,818	174,342	235,160	38	27,112	9,691	2,351	ı	67,150	75,168	53,650	1		2018	Actual August
\$ 6,239		\$ 454,792	2,397,778	\$ 2,852,570	425	378,377	83,790	28,145	(262)	792,376	847,174	661,901	\$ 60,644		Ended Feb 2019	Twelve Months	Review Period																			

Harrington Exhibit 9
Page 2 of 2
Docket No. 2019-1-E

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
DISTRIBUTED ENERGY RESOURCE PROGRAM INCREMENTAL (OVER) / UNDER RECOVERY
ACTUAL AND ESTIMATED COSTS MARCH 2018 - JUNE 2019

38 Fotal DEK Incremental Costs 39 Revenue Collected 40 SC DERP Incremental Costs ( 41 Adjustments					37 Interest on under	36 General and Adm	35 NEM Meter Costs	34 NEM Avoided Capacity Costs	33 Shared Solar Program	32 Solar Rebate Prog	31 Solar Rebate Prog	30 DER NEM Incentive	29 Purchased Power Agreements	DERP Incremental Costs	Line No.		
		SC DERP Incremental Costs (Over) / Under Recovery	d.	ental Costs	Interest on under-collection due to cap	General and Administrative Expenses		pacity Costs	;ram	Solar Rebate Program - Carrying Costs	Solar Rebate Program - Amortization	/e	Agreements	<u>   Costs</u>	Description		
Prior Month Cumulative Balance +		Line 38 - Line 39	WP9	Sum Lines 29 through 37	Actuals Average	DERP Model Output	DERP Model Output	DERP Model Output	DERP Model Output	DERP Model Output	DERP Model Output	DERP Model Output	DERP Model Output		Reference		
		\$		\$									ᡐ			5	П
		101,123 \$	165,840	266,963 \$	37	22,856	8,455	2,909	249	71,417	77,317	81,081	2,642 \$		2019	March	
		127,576 \$	165,454	293,030 \$	42	29,841	9,024	3,123	10,212	71,256	77,858	86,646	5,028 \$		2019	April	F:+:m2+02
366 ADE ¢		131,466 \$	165,541	297,007 \$	42	29,841	9,228	3,212	10,212	71,092	77,858	90,495	5,028 \$		2019	May	F5+im5+64
508 331    \$		141,927 \$	165,629	307,556 \$	42	29,841	9,442	3,377	10,212	72,082	80,675	96,857	5,028 \$		2019	June	Estimatos
508.331	1	956,883	3,060,242	4,017,125	588	490,756	119,938	40,766	30,624	1,078,222	1,160,882	1,016,980	78,369		June 2019	Ended	Sixtoon Months

### DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE CALCULATION OF DERP INCREMENTAL COSTS (OVER) / UNDER RECOVERY FOR THE PERIOD MARCH 2018 - JUNE 2019

Harrington Exhibit 10 Docket No. 2019-1-E

13	12	11	10				9	∞	7	6			5	4	3	2			₽	Line No.
Total	Industrial (General Service demand /non-demand)	Commercial (General Service demand /non-demand)	Residential				Total	Industrial (General Service demand /non-demand)	Commercial (General Service demand /non-demand)	Residential	Allocation of DERP Incremental (Over) / Under Recovery		Total	Industrial (General Service demand /non-demand)	Commercial (General Service demand /non-demand)	Residential	Allocation of DERP Incremental (Over) / Under Recovery		Total DERP (Over) / Under Balance	
	Cost Line 4 + Line 8	Cost Line 3 + Line 7	Cost Line 2 + Line 6											WP8c	WP8c	WP8c			Exhibit 9	
\$			❖	per Firm	Total C							Firm Pe						Firm Pe		March Dece
508,331	70,023	124,189	314,120	per Firm Peak Demand	Total Cost Allocated		100.00%	14.98%	24.11%	60.91%	2018	Firm Peak Demand -	100.00%	17.43%	23.46%	59.11%	2017	Firm Peak Demand -	(251,280)	March 2018 through December 2018
171,617	266	31,323	140,028	Period	Accounts in Billing	Projected Number of	759,611				through June 2019	January 2019	(251,280) \$				December 2018	March 2018 through	759,611	January 2019 through June 2019
	263.24	3.96	\$ 2.24	Year	\$ per Account per		759,611	113,814	183,137	462,661	Firm Peak Demand	Cost Alloca	(	(43,791)	(58,948)	\$ (148,541)	Firm Peak Demand	Cost Allocated per		
	<b>N</b> )		\$ 0.19	Month	\$ per Account per															

### DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE PROJECTED DISTRIBUTED ENERGY RESOURCE PROGRAM INCREMENTAL COSTS FOR THE 12 MONTHS JULY 2019 - JUNE 2020

Harrington Exhibit 11 Docket No. 2019-1-E

20	19	18	17	16	15	14	13	12	11	Line No.	:	10	9	8	7	6	ъ	4	ω	2	₽		Line No.
Total DER Incremental Costs	Interest on under-collection due to cap	General and Administrative Expenses	NEM Meter Costs	NEM Avoided Capacity Costs	Shared Solar Program	Solar Rebate Program - Carrying Costs	Solar Rebate Program - Amortization	DER NEM Incentive	<b><u>DERP Incremental Costs</u></b> Purchased Power Agreements	Description		Total DER Incremental Costs	Interest on under-collection due to cap	General and Administrative Expenses	NEM Meter Costs	NEM Avoided Capacity Costs	Shared Solar Program	Solar Rebate Program - Carrying Costs	Solar Rebate Program - Amortization	DER NEM Incentive	Purchased Power Agreements	DERP Incremental Costs	Description
Sum Lines 11 through 19	Actuals Average	DERP Model Output	DERP Model Output	DERP Model Output	DERP Model Output	DERP Model Output	DERP Model Output	DERP Model Output	DERP Model Output	Keterence	•	Sum Lines 1 through 9	Actuals Average	DERP Model Output	DERP Model Output	DERP Model Output	DERP Model Output	DERP Model Output	DERP Model Output	DERP Model Output	DERP Model Output		Reference
❖									↔			❖									❖		
290,272 \$	42	21,838	10,589	3,926	6,413	80,653	91,017	70,804	4,991 \$	2020	January	329,031 \$	42	41,446	9,646	3,351	6,486	74,485	83,492	105,068	5,016 \$		July 2019
293,318 \$	42	21,838	10,700	3,963	6,413	80,140	91,017	74,214	4,991 \$	2020	February	322,748 \$	42	41,446	9,830	3,417	6,486	75,443	83,492	97,577	5,016 \$		August 2019
318,557 \$	42	21,838	10,802	3,998	6,413	79,627	91,017	99,828	4,991 \$	2020	March	316,262 \$	42	41,446	10,005	3,498	6,486	75,339	84,214	90,215	5,016 \$		September 2019
337,965 \$	42	21,838	10,895	4,031	6,413	79,114	91,017	119,624	4,991 \$	2020	April	315,445 \$	42	41,446	10,171	3,602	6,486	76,044	85,817	86,821	5,016 \$		October 2019
340,223 \$	42	21,838	10,977	4,062	6,413	78,601	91,017	122,282	4,991 \$	2020	May	300,015 \$	42	41,446	10,316	3,659	6,486	76,374	85,817	70,858	5,016 \$		November 2019
344,258 \$	42	21,838	11,050	4,090	6,413	78,087	91,017	126,729	4,991 \$	2020	June	292,045	42	41,446	10,457	3,854	6,486	78,528	91,017	55,199	5,016		December 2019
3,800,139	504	379,704	125,439	45,451	77,392	932,432	1,059,952	1,119,220	60,045	Ended June 2020	Billing Period Twelve Months												

### DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE PROJECTED BILLING PERIOD INCREMENTAL COST FACTORS FOR DERP COSTS FOR THE PERIOD JULY 2019 - JUNE 2020

9 8 9		5	4	ω	2		Ь	Line No.
Residential Commercial (General Service demand /non-demand) Industrial (General Service demand /non-demand) Total		Total	Industrial (General Service demand /non-demand)	Commercial (General Service demand /non-demand)	Residential	Allocation of DERP Incremental Costs	Total DERP Projected Incremental Costs	•
Cost Line 2 Cost Line 3 Cost Line 4			WP8c	WP8c	WP8c		Exhibit 11	
w w	Total per Firi					Firm I		July 20
2,314,572 916,185 569,381 3,800,138	Total Cost Allocated per Firm Peak Demand	100.00%	14.98%	24.11%	60.91%	Firm Peak Demand - 2018	3,800,139	July 2019 through June 2020
140,028 31,323 266 171,617	Projected Number of Accounts in Billing Period	3,800,139 \$				July 2019 through June 2020		
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	\$ per Ac	\$			⊹	Cost Alla Firm Pea		
16.53 [1] 29.25 2,140.53 [1]	\$ per Account per Year	3,800,138	569,381	916,185	2,314,572	Cost Allocated per Firm Peak Demand		
<b>ዏ ዏ ዏ</b>	\$ per							
1.38 2.44 178.38	\$ per Account per Month							

Note:
[1] Residential and Industrial annual charge per-account will be capped not to exceed \$12 and \$1,200, respectively, including gross receipts taxes.

## ELECTRONICALLY FILED - 2019 April 26 10:26 AM - SCPSC - Docket # 2019-1-E - Page 43 of 51

Harrington Exhibit 13
Page 1 of 8
Docket No. 2019-1-E

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
DISTRIBUTED ENERGY RESOURCE PROGRAM AVOIDED COSTS (OVER) / UNDER RECOVERY - RESIDENTIAL
ACTUAL AND ESTIMATED COSTS MARCH 2018 - JUNE 2019

33	31	28 29 30	23 24 25 26 27	20 21 22	Line No.  Line No.  Line No.  Line No.  Line No.	:
Adjustment(s) Adjusted Cumulative SC Residential DERP Avoided Costs (Over) / Under Recovery	SC DERP Avoided Costs (Over) / Under Recovery	SC Residential kWh Sales SC Residential DERP Avoided Cost (¢/kWh) SC Residential Rate Billed (¢/kWh)	Total System kWh Sales  DERP Avoided System Costs (¢/kWh)  SC Retail Sales kWh  SC DERP Avoided Costs  SC Residential DER Avoided Costs Allocated by Firm CP	Purchased Power Agreements Shared Solar Program Total DERP Avoided Costs	Residential General Service (non-demand) General Service (demand) Lighting Total SC  Description  Purchased Power Agreements Shared Solar Program Total DERP Avoided Costs SC Retail Sales kWh SC DERP Avoided Costs SC Residential DER Avoided Costs Allocated by Firm CP SC Residential DER Avoided Cost (c/kWh) SC Residential DER Avoided Cost (c/kWh) SC Residential DERP Avoided Cost (c/kWh) SC Residential DERP Avoided Cost (c/kWh) SC DERP Avoided Costs (Over) / Under Recovery Prior Year Balance Adjusted Cumulative SC Residential DERP Avoided Costs (Over) / Under Recovery	
Prior Month Cumulative Balance + Line 31	(Line 29 - Line 30)*Line 28 /100	Monthly Fuel Filing Line 27 / Line 28 * 100 2018-1-E	Monthly Fuel Filing Line 22 / Line 23 * 100 Monthly Fuel Filing Line 24 * Line 25 / 100 Line 26 * Line 1	Monthly Fuel Filing Monthly Fuel Filing Line 20 + Line 21	708,895 65,487 424,824 0 1,199,206  Reference  Monthly Fuel Filing Monthly Fuel Filing Line 6 + Line 7  Monthly Fuel Filing Line 8 / Line 9 * 100 Monthly Fuel Filing Line 10 * Line 11 / 100 Line 12 * Line 1  Monthly Fuel Filing Line 13 / Line 14 * 100 2017-1-E, 2018-1-E  (Line 15 - Line 16)*Line 14 /100 2018-1-E  Prior Month Cumulative Balance + Line 17	Winter 2017 Firm Coincident Peak
\$ 17,783 \$	\$ (348) \$	192,472,913 0.003 0.003	5,427,393,740 0.002 511,359,659 \$ 9,105 \$ \$ 5,382 \$	\$ 96,632 \$ - \$ 96,632 \$	CP %  59.11% 59.11% 5.46% 35.43% 0.00%  100.00%  Actual March 2018  \$ 48,912 \$ 4,653,962,859 0.001 411,013,563 \$ 4,320 \$ \$ 2,554 \$ \$ 143,961,446 0.002 0.000 \$ 2,554 \$ \$ 1,591 \$ Actual September 2018	
11,824 \$	(5,959) \$	166,363,331 (0.001) 0.003	5,150,522,556 (0.000) 578,449,399 (1,739) \$ (1,028) \$	(15,529) \$ 49 (15,480) \$	KWs  777,822 81,290 417,943 0 1,277,055  Actual April 2018  62,995 \$ 62,995 \$ 4,494,045,504 0.001 533,237,463 7,475 \$ 4,419 \$ 142,967,229 0.003 0.000 4,419 \$ Actual October 2018	Winter 2018 Firm Coincident Peak (CP)
11,616 \$	(208) \$	135,084,422 0.003 0.003	4,723,872,382 0.001 505,054,037 6,453 \$ 3,815 \$	60,191 \$ 167 60,358 \$	CP % 60.91% 60.91% 6.37% 32.73% 0.00% 100.00%  Actual May 2018  67,141 \$ 67,141 \$ 4,644,699,960 0.001 461,633,361 6,673 \$ 3,945 \$ 126,649,812 0.003 0.000 3,945 \$  Actual November 2018	
7,227 \$	(4,388) \$	188,450,930 0.001 0.003	4,828,127,846 0.000 445,338,979 2,073 \$ 1,226 \$	22,291 \$ 186 22,477 \$	Actual June 2018  25,125 \$ 25,677,792,552 0.000 523,124,836 2,315 \$ 1,368 \$ 1,368 \$ 1,368 \$  Actual  December 2018	
(585) \$	(7,812) \$	199,934,867 (0.001) 0.003	5,615,989,658 (0.001) 605,279,111 (3,632) \$ (2,212) \$	(33,874) \$ 176 (33,698) \$	Actual July 2018  56,297 \$ 56,164,634,934 0.001 658,136,492 6,010 \$ 3,553 \$ 209,653,372 0.002 0.001 755 \$ Actual January 2019	
(4,164) \$	(3,579) \$	206,574,763 0.001 0.003	5,087,626,427 0.001 555,508,005 4,228 2,575	38,071 \$ 648 38,719 \$	Actual August 2018  158,899  158,899  6,200,477,072 0.003 621,746,700 15,933 9,419 205,859,617 0.005 0.003 3,500  Actual February 2019	
(4,164)	(5,755)	2,101,242,026 0.002 0.003	62,669,145,490 6,409,881,605 59,214 35,014	587,151 1,226 588,377	Review Period Twelve Months Ended Feb 2019	

## DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE DISTRIBUTED ENERGY RESOURCE PROGRAM AVOIDED COSTS (OVER) / UNDER RECOVERY - RESIDENTIAL ACTUAL AND ESTIMATED COSTS MARCH 2018 - JUNE 2019

Winter 2018 Firm Coincident Peak (CP) KWs 777,822

Harrington Exhibit 13
Page 2 of 8
Docket No. 2019-1-E

2,301,521,005 <b>0.000</b>						WP8a Line 47 / Line 48 * 100	SC Projected Residential kWh Sales Jul'19 - Jun'20 SC Residential DERP Avoided Costs Increment / (Decrement) (¢/kWh)	48 49
(10,995)	(10,995) \$	(8,981) \$	(8,365) \$	(6,967) \$	↔	Prior Month Cumulative Balance + Line 45 + Line 46	Adjusted Cumulative SC Residential DERP Avoided Costs (Over) / Under Recovery	47
(12,586)	(2,014) \$	(616) \$	(1,398) \$	(2,803) \$	↔	(Line 43 - Line 44)*Line 42 /100	SC DERP Avoided Costs (Over) / Under Recovery Adjustment(s)	45 46
2,724,100,457 0.002 0.003	171,939,263 0.002 0.003	138,607,950 0.003 0.003	161,472,415 0.002 0.003	150,838,802 0.001 0.003		WP8a Line 41 / Line 42 * 100 2018-1-E	Projected SC Residential kWh Sales SC Residential DERP Avoided Cost (¢/kWh) SC Residential Rate Billed (¢/kWh)	42 43 44
8,368,739,314 78,625 46,837	541,036,670 5,163 \$ 3,145 \$	491,046,715 5,816 \$ 3,542 \$	510,686,159 5,658 \$ 3,446 \$	416,088,164 2,774 \$ 1,690 \$	<b>↔</b> ↔	WP8 Line 38 * Line 39 / 100 Line 40 * Line 1	Projected SC Retail Sales kWh SC DERP Avoided Costs SC Residential DER Avoided Costs Allocated by Firm CP	39 40 41
81,355,454,312	5,204,419,092 0.001	4,446,396,083 0.001	4,482,512,031 0.001	4,552,981,616 0.001		WP8 Line 36 / Line 37 * 100	Total Projected System kWh Sales DERP Avoided System Costs (¢/kWh)	37 38
739,161 31,560 770,721	39,730 \$ 9,933 49,663 \$	42,730 \$ 9,933 \$ 52,663 \$	39,730 \$ 9,933 \$ 49,663 \$	29,819 \$ 537 \$ 30,356 \$	ۍ پ	DERP Model Output DERP Model Output Line 34 + Line 35	Purchased Power Agreements Shared Solar Program Total DERP Avoided Costs	34 35 36
Sixteen Months Ended June 2019	Estimated June 7019	Estimated May 2019	Estimated April 2019	Estimated March 2019		Reference	Description	Line No.
				100.00%		1,277,055	Total SC	И
				0.00%		0	Lighting	4
				32.73%		417,943	General Service (demand)	ω
				60.91% 6.37%		///,822 81,290	General Service (non-demand)	2
				CP %		Coincident Peak (CP) KWs	Class	Line No.

# DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE DISTRIBUTED ENERGY RESOURCE PROGRAM AVOIDED COSTS (OVER) / UNDER RECOVERY - GENERAL SERVICE (NON-DEMAND) ACTUAL AND ESTIMATED COSTS MARCH 2018 - JUNE 2019

Harrington Exhibit 13
Page 3 of 8
Docket No. 2019-1-E

33	31 32	28 29 30	23 24 25 26 27	20 21 22	Line No.	18	17	14 15 16	9 10 11 12 13	8 7 6	Line No.	5 4 8 2 4	Line No.
Cumulative SC General Service (non-demand) DERP Avoided Costs (Over) / Under Recovery	SC DERP Avoided Costs (Over) / Under Recovery Adjustment(s)	SC General Service (non-demand) kWh Sales SC General Service (non-demand) DERP Avoided Cost (¢/kWh) SC General Service (non-demand) Rate Billed (¢/kWh)	Total System kWh Sales DERP Avoided System Costs (¢/kWh) SC Retail Sales kWh SC DERP Avoided Costs SC General Service (non-demand) DERP Avoided Costs Allocated by Firm CP	Purchased Power Agreements Shared Solar Program Total DERP Avoided Costs	), Description	Prior Year Balance Cumulative SC General Service (non-demand) DERP Avoided Costs (Over) / Under Recovery	SC DERP Avoided Costs (Over) / Under Recovery	SC General Service (non-demand) kWh Sales SC General Service (non-demand) DERP Avoided Cost (¢/kWh) SC General Service (non-demand) Rate Billed (¢/kWh)	Total System kWh Sales DERP Avoided System Costs (¢/kWh) SC Retail Sales kWh SC DERP Avoided Costs SC General Service (non-demand) DERP Avoided Costs Allocated by Firm CP	Purchased Power Agreements Shared Solar Program Total DERP Avoided Costs	. Description	Residential General Service (non-demand) General Service (demand) Lighting Total SC	
Prior Month Cumulative Balance + Line 31 + Line 32	(Line 29 - Line 30)*Line 28 /100	Monthly Fuel Filing Line 27 / Line 28 * 100 2018-1-E	Monthly Fuel Filing Line 22 / Line 23 * 100 Monthly Fuel Filing Line 24 * Line 25 / 100 Line 26 * Line 2	Monthly Fuel Filing Monthly Fuel Filing Line 20 + Line 21	Reference	2018-1-E Prior Month Cumulative Balance + Line 17 + Line 18	(Line 15 - Line 16)*Line 14 /100	Monthly Fuel Filing Line 13 / Line 14 * 100 2017-1-E, 2018-1-E	Monthly Fuel Filing Line 8 / Line 9 * 100 Monthly Fuel Filing Line 10 * Line 11 / 100 Line 12 * Line 2	Monthly Fuel Filing Monthly Fuel Filing Line 6 + Line 7	Reference	708,895 65,487 424,824 0 1,199,206	Winter 2017 Firm Coincident Peak (CP) KWs
↔	↔		<b>Φ Φ</b>	<b>ب</b> م	S	<b>⋄</b> ••	<b>ئ</b>		₩ ₩	ۍ <b>پ</b>			
2,244 \$	203 \$	29,398,859 0.002 0.001	5,427,393,740 0.002 511,359,659 9,105 \$ 497 \$	96,632 \$ - 96,632 \$	Actual September 2018		236 \$	18,983,274 0.001 0.000	4,653,962,859 0.001 411,013,563 4,320 \$ 236 \$	48,912 \$ - 48,912 \$	Actual March 2018	59.11% 5.46% 35.43% 0.00% 100.00%	
1,890 \$	(354) \$	25,905,784 (0.000) 0.001	5,150,522,556 (0.000) 578,449,399 (1,739) \$ (95) \$	(15,529) \$ 49 (15,480) \$	Actual October 2018		408 \$	19,396,612 0.002 0.000	4,494,045,504 0.001 533,237,463 7,475 \$ 408 \$	62,995 \$ - 62,995 \$	Actual April 2018	777,822 81,290 417,943 0 1,277,055	Winter 2018 Firm Coincident Peak (CP) KWs
1,811 \$	(80) \$	43,187,370 0.001 0.001	4,723,872,382 0.001 505,054,037 6,453 \$ 352 \$	60,191 \$ 167 60,358 \$	Actual November 2018		364 \$	19,878,431 0.002 0.000	4,644,699,960 0.001 461,633,361 6,673 \$	67,141 \$ - 67,141 \$	Actual May 2018	60.91% 6.37% 32.73% 0.00% 100.00%	CP %
1,913 \$	102 \$	1,109,696 0.010 0.001	4,828,127,846 0.000 445,338,979 2,073 \$ 113 \$	22,291 \$ 186 22,477 \$	Actual December 2018		127 \$	27,515,526 0.000 0.000	5,677,792,552 0.000 523,124,836 2,315 \$	25,125 \$ - 25,125 \$	Actual June 2018		
1,514 \$	(399) \$	24,675,505 (0.001) 0.001	5,615,989,658 (0.001) 605,279,111 (3,632) \$ (231) \$	(33,874) \$ 176 (33,698) \$	Actual January 2019		189 \$	30,997,729 0.001 0.000	6,164,634,934 0.001 658,136,492 6,010 \$	56,297 \$ - 56,297 \$	Actual July 2018		
1,531 \$	17 \$	25,191,572 0.001 0.001	5,087,626,427 0.001 555,508,005 4,228 \$ 269 \$	38,071 \$ 648 38,719 \$	Actual February 2019	2,041	568	31,253,114 0.003 0.001	6,200,477,072 0.003 621,746,700 15,933 870	158,899 - 158,899	Actual August 2018		
1,531	1,383	297,493,472 0.001 0.0010	62,669,145,490 6,409,881,605 59,214 3,240	587,151 1,226 588,377	Review Period Twelve Months Ended Feb 2019								

# DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE DISTRIBUTED ENERGY RESOURCE PROGRAM AVOIDED COSTS (OVER) / UNDER RECOVERY - GENERAL SERVICE (NON-DEMAND) ACTUAL AND ESTIMATED COSTS MARCH 2018 - JUNE 2019

Harrington Exhibit 13
Page 4 of 8
Docket No. 2019-1-E

Coincident Peak (CP) KWs         CP %           81,290         63.91%           417,822         60.91%           417,943         32,73%           417,943         32,73%           0         0,000%           Litropost         Estimated						Line 47 / Line 48 * 100	(Decrement) (¢/kWh)	49
Colass   Colincident   Peak (EP)   KWs   CP %						WP8a	SC Projected General Service (non-demand) kWh Sales Jul'19 - Jun'20	48
Canacidential   California					↔	Prior Month Cumulative Balance + Line 45 + Line 46	Cumulative SC General Service (non-demand) DERP Avoided Costs (Over) / Under Recovery	47
Residential General Service (non-demand)         Coincident Peak (CP) KWs         CP %         CP %         CP %         CP %         CP %         Ceneral Service (non-demand)         Coincident Peak (CP) KWs         CP %         Coincident Peak (CP) KWs         CP %				(12) \$	❖	_	SC DERP Avoided Costs (Over) / Under Recovery	45
Class         Coincident Peak (CP) KWS         CP %           General Service (non-demand)         6.91%         6.93%           General Service (demand)         417,943         32.73%           Lighting General Service (demand)         1,277,055         100.00%           Lighting General Service (demand)         DERP Model Output Stank Line 35         \$ 2,931 \$ 3,730 \$ 3,933 \$ 9,933 \$ 9,933 \$ 9,933 \$ 9,933 \$ 9,933 \$ 9,933 \$ 9,933 \$ 9,933 \$ 9,933 \$ 9,933 \$ 9,933 \$ 9,933 \$ 9,933 \$ 9,933 \$ 9,933 \$ 9,933 \$ 9,933 \$ 9,933 \$ 9,933 \$ 9,933 \$ 9,933 \$ 9,933 \$ 9,933 \$ 9,933 \$ 9,933 \$ 9,933 \$ 9,933 \$ 9,933 \$ 9,933 \$ 9,933 \$ 9,933 \$ 9,933 \$ 9,933 \$ 9,933 \$ 9,933 \$ 9,933 \$ 9,933 \$ 9,933 \$ 9,933 \$ 9,933 \$ 9,933 \$ 9,933 \$ 9,933 \$ 9,933 \$ 9,933 \$ 9,933 \$ 9,933 \$ 9,933 \$ 9,933 \$ 9,93	25,241,053 0.001 0.001	24,173,210 0.002 0.001	23,902,363 0.002 0.001	18,802,778 0.001 0.001		WP8a Line 41 / Line 42 * 100 2018-1-E	Projected SC General Service (non-demand) kWh Sales SC General Service (non-demand) DERP Avoided Cost (¢/kWh) SC General Service (non-demand) Rate Billed (¢/kWh)	42 43 44
Coincident   Peak   (CP)   KWs   CP%					₩	Line 40 * Line 2	Firm CP	41
Class   Coincident Peak (CP) KWs   CP %   CP %   Coincident Peak (CP) KWs   Coinciden		_		-	↔	Line 38 * Line 39 / 100	SC DERP Avoided Costs	40
Class         Coincident Peak (CP) kWs         CP %           Residential General Service (non-demand)         60.91%         60.91%           General Service (demand)         81,290         6.37%           Lighting Ughting Total SC         0         0.00%           Total SC         Estimated Legislated System kWh Sales         Estimated May 2019         Isstimated Legislated System kWh Sales         Estimated Solar Program         Inc. 34 + Line 35 * 100         \$ 29,819 \$ 39,730 \$ 42,730 \$ 50,933         \$ 29,933         \$ 29,933         \$ 29,933         \$ 29,933         \$ 29,933         \$ 29,933         \$ 29,933         \$ 29,933         \$ 29,933         \$ 29,933         \$ 29,933         \$ 29,933         \$ 29,933         \$ 29,933         \$ 29,933         \$ 29,933         \$ 29,933         \$ 29,933         \$ 29,933         \$ 29,933         \$ 29,933         \$ 29,933         \$ 29,933         \$ 29,933         \$ 29,933         \$ 29,933         \$ 29,933         \$ 29,933         \$ 29,933         \$ 29,933         \$ 29,933         \$ 29,933         \$ 29,933         \$ 29,933         \$ 29,933         \$ 29,933         \$ 29,933         \$ 29,933         \$ 29,933         \$ 29,933         \$ 29,933         \$ 29,933         \$ 29,933         \$ 29,933         \$ 29,933         \$ 29,933         \$ 29,933         \$ 29,933         \$ 20,933 <t< td=""><td>541,036,670</td><td>491,046,715</td><td>510,686,159</td><td>416,088,164</td><td></td><td>WP8</td><td>Projected SC Retail Sales kWh</td><td>39</td></t<>	541,036,670	491,046,715	510,686,159	416,088,164		WP8	Projected SC Retail Sales kWh	39
Class         Coincident Peak (CP) KWs         CP %           Residential General Service (non-demand) General Service (demand) Lighting Lighting Total SC         81,290 (a.37% a.32.73% a.		0.001	0.001	0.001		Line 36 / Line 37 * 100	DERP Avoided System Costs (¢/kWh)	38
Colars   Coloncident Peak (CP) Kws   CP %	5,204,419,092	4,446,396,083	4,482,512,031	4,552,981,616		WP8	Total Projected System kWh Sales	37
Class         Coincident Peak (CP) KWs         CP %           Residential         777,822         60.91%           General Service (non-demand)         81,290         6.37%           General Service (demand)         417,943         32.73%           Lighting Total SC         0.00%         100.00%           Total SC         Estimated         Estimated           Purchased Power Agreements         Reference         March         April         May           Purchased Power Agreements         DERP Model Output         \$ 29,819         \$ 39,730         \$ 42,730         \$ 50,933         9,933         \$ 9,933         \$ 9,933         \$ 9,933         \$ 9,933         \$ 9,933         \$ 9,933         \$ 9,933         \$ 9,933         \$ 9,933         \$ 9,933         \$ 9,933         \$ 9,933         \$ 9,933         \$ 9,933         \$ 9,933         \$ 9,933         \$ 9,933         \$ 9,933         \$ 9,933         \$ 9,933         \$ 9,933         \$ 9,933         \$ 9,933         \$ 9,933         \$ 9,933         \$ 9,933         \$ 9,933         \$ 9,933         \$ 9,933         \$ 9,933         \$ 9,933         \$ 9,933         \$ 9,933         \$ 9,933         \$ 9,933         \$ 9,933         \$ 9,933         \$ 9,933         \$ 9,933         \$ 9,933         \$ 9,933         \$ 9,933 </td <td>49,663</td> <td></td> <td></td> <td></td> <td>↔</td> <td>Line 34 + Line 35</td> <td>Total DERP Avoided Costs</td> <td>36</td>	49,663				↔	Line 34 + Line 35	Total DERP Avoided Costs	36
Class         Coincident Peak (CP) KWs         CP %           Residential General Service (non-demand) General Service (demand)         81,290 (417,943) (32.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.77,055)         32.73% (3.73%) (3.73%) (3.77,055)           Lighting Total SC         1,277,055         100.00%         Estimated         Estimated         Estimated         May 2019         May 2019         May 2019         May 2019         42,730 (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%) (3.73%)		9,933	9,933	537		DERP Model Output	Shared Solar Program	35
Class         Coincident Peak (CP) KWs         CP %           Residential         777,822         60.91%           General Service (non-demand)         81,290         6.37%           Lighting         0         0.00%           Total SC         1,277,055         100.00%           Estimated         Estimated         Estimated           March         April         May           Description         Reference         2019         2019         2019					❖	DERP Model Output	Purchased Power Agreements	34
Class  Residential  General Service (non-demand)  General Service (demand)  Lighting  Total SC  Coincident Peak (CP) KWs  777,822  81,290  417,943  1,277,055	Estimated June 2019	Estimated May 2019	Estimated April 2019	Estimated March 2019		Reference	Description	Line No.
ClassCoincident Peak (CP) KWsResidential777,822General Service (non-demand)81,290General Service (demand)417,943Lighting0				100.00%		1,277,055	Total SC	σ
Class Coincident Peak (CP) KWs  Residential 777,822  General Service (non-demand) 81,290  General Service (demand) 417,943				0.00%		0	Lighting	4
ClassCoincident Peak (CP) KWsResidential777,822General Service (non-demand)81,290				32.73%		417,943	General Service (demand)	ω
Class Coincident Peak (CP) KWs Residential 777,822				6.37%		81,290	General Service (non-demand)	2
Class Coincident Peak (CP) KWs				60.91%		777,822	Residential	1
				CP %		Coincident Peak (CP) KWs	Class	Line No.

## ELECTRONICALLY FILED - 2019 April 26 10:26 AM - SCPSC - Docket # 2019-1-E - Page 47 of 51

# DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE DISTRIBUTED ENERGY RESOURCE PROGRAM AVOIDED COSTS (OVER) / UNDER RECOVERY - GENERAL SERVICE (DEMAND) ACTUAL AND ESTIMATED COSTS MARCH 2018 - JUNE 2019

Page 5 of 8 Docket No. 2019-1-E	Harrington Exhibit 13
of 8 )-1-E	it 13

33	31 32	28 29 30	27	25 26	23 24	22	20 21	Line No.	19	FO	17	16	15	14	13	12	11	9	<b>∞</b>	7	Line No.	(	4 л	ν ω	2	1	Line No.
Cumulative SC General Service (demand) DERP Avoided Costs (Over) / Under Recovery	SC DERP Avoided Costs (Over) / Under Recovery Adjustment(s)	SC General Service (demand) kW Sales SC General Service (demand) DERP Avoided Costs (¢/kWh) SC General Service (demand) Rate Billed (¢/kWh)	CP	SC Retail Sales kWh SC DERP Avoided Costs SC General Service (demand) DEBB Avoided Costs Allocated by Eirm	Total System kWh Sales DERP Avoided System Costs (¢/kWh)	Total DERP Avoided Costs	Purchased Power Agreements Shared Solar Program	Description	/ Under Recovery	Cumulative SC General Service (demand) DERP Avoided Costs (Over)	SC DERP Avoided Costs (Over) / Under Recovery	SC General Service (demand) Rate Billed (¢/kWh)	SC General Service (demand) DERP Avoided Costs (¢/kWh)	SC General Service (demand) kW Sales	SC General Service (demand) DERP Avoided Costs Allocated by Firm CP	SC DERP Avoided Costs	SC Retail Sales kWh	Total System kWh Sales DERP Avoided System Costs (¢/kWh)	Total DERP Avoided Costs	Purchased Power Agreements Shared Solar Program	Description		Total SC	General Service (demand)	General Service (non-demand)	Residential	Class
Prior Month Cumulative Balance + Line 31 + Line 32	(Line 29 - Line 30)*Line 28 /100	Monthly Fuel Filing Line 27 / Line 28 * 100 2018-1-E	Line 26 * Line 3	Monthly Fuel Filing Line 24 * Line 25 / 100	Monthly Fuel Filing Line 22 / Line 23 * 100	Line 20 + Line 21	Monthly Fuel Filing Monthly Fuel Filing	Reference	Line 17 + Line 18	Prior Month Cumulative Balance +	(Line 15 - Line 16)*Line 14 /100	2017-1-E, 2018-1-E	Line 13 / Line 14 * 100	Monthly Fuel Filing	Line 12 * Line 3	Line 10 * Line 11 / 100	Monthly Fuel Filing	Monthly Fuel Filing Line 8 / Line 9 * 100	Line 6 + Line 7	Monthly Fuel Filing Monthly Fuel Filing	Reference	1 0 0	1 199 206	424,824	65,487	708.895	Winter 2017 Firm Coincident Peak (CP) KWs
₩	❖		↔	↔	(8	❖	↔	Se	↔	4	ሉ ‹				❖	↔			٠	₩							
19,337 \$	3,226 \$	885,000 0.36 -	3,226 \$	511,359,659 9,105 \$	5,427,393,740 0.002	96,632 \$	96,632 \$ -	Actual September 2018	2,505 \$	973	1,530 \$	0.000	0.233	657,929	1,530 \$	4,320 \$	411,013,563	4,653,962,859 0.001	48,912 \$	48,912 \$	March 2018		100 00%	35.43%	5.46%	59.11%	CP %
18,721 \$	(616) \$	704,900 (0.09) -	(616) \$	578,449,399 (1,739) \$	5,150,522,556 (0.000)	(15,480) \$	(15,529) \$ 49	Actual October 2018	5,153 \$		2,648 \$	0.000	0.398	666,086	2,648 \$	7,475 \$	533,237,463	4,494,045,504 0.001	62,995 \$	62,995 \$	April 2018		1 277 055	417,943	81,290	777.822	Winter 2018 Firm Coincident Peak (CP) KWs
21,007 \$	2,286 \$	647,300 0.35 -	2,286 \$	505,054,037 6,453 \$	4,723,872,382 0.001	60,358 \$	60,191 \$ 167	Actual November 2018	7,517 \$		2,364 \$	0.000	0.362	652,200	2,364 \$	6,673 \$	461,633,361	4,644,699,960 0.001	67,141 \$	67,141 \$	May 2018	A	100.00%	32.73%	6.37%	60.91%	G %
21,742 \$	734 \$	621,700 0.12 -	734 \$	445,338,979 2,073 \$	4,828,127,846 0.000	22,477 \$	22,291 \$ 186	Actual December 2018	8,337 \$		820 \$	0.000	0.123	669,014	820 \$	2,315 \$	523,124,836	5,677,792,552 0.000	25,125 \$	25,125 \$	June 2018						
20,537 \$	(1,205) \$	409,400 (0.29) -	(1,190) \$	605,279,111 (3,632) \$	5,615,989,658 (0.001)	(33,698) \$	(33,874) \$ 176	Actual January 2019	10,466 \$		2,129 \$	0.000	0.303	703,175	2,129 \$	6,010 \$	658,136,492	6,164,634,934 0.001	56,297 \$	56,297 \$ -	July 2018	2					
21,921 \$	1,384 \$	671,000 0.21 -	1,384 \$	555,508,005 4,228 \$	5,087,626,427 0.001	38,719 \$	38,071 \$ 648	Actual February 2019	16,111		5,644	0.000	0.700	805,885	5,644	15,933	621,746,700	6,200,477,072 0.003	158,899	158,899	August 2018	2					
21,921	20,946	8,093,589 0.26	20,961	6,409,881,605 59,214	62,669,145,490	588,377	587,151 1,226	Review Period Twelve Months Ended Feb 2019																			

# DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE DISTRIBUTED ENERGY RESOURCE PROGRAM AVOIDED COSTS (OVER) / UNDER RECOVERY - GENERAL SERVICE (DEMAND) ACTUAL AND ESTIMATED COSTS MARCH 2018 - JUNE 2019

Line No.

Class

Winter 2018 Firm Coincident Peak (CP) KWs

60.91% CP %

Harrington Exhibit 13
Page 6 of 8
Docket No. 2019-1-E

					Line 47 / Line 48 * 100	SC General Service (demand) DERP Avoided Cost Increment / (Decrement) (¢/kW)	49
					WP8a	SC Projected General Service (demand) KW Sales Jul'19-Jun'20	48
<b>∞</b>	26,584	24,680 \$	22,829 \$	⋄	Prior Month Cumulative Balance + Line 45 + Line 46	Cumulative SC General Service (demand) DERP Avoided Costs (Over) / Under Recovery	47
						Adjustment(s)	46
90:	1,903	1,852 \$	908 \$	↔	(Line 43 - Line 44)*Line 42 /100	SC DERP Avoided Costs (Over) / Under Recovery	45
1		ı	ı		2018-1-E	SC General Service (demand) Rate Billed (¢/kWh)	44
247	0.247	0.266	0.141		Line 41 / Line 42 * 100	SC General Service (demand) DERP Avoided Costs (c/kWh)	43
39,	771,394	696,605	645,500		WP8a	Projected SC General Service (demand) kW Sales	42
903	1,903	1,852 \$	908 \$	⊹	Line 40 * Line 3	SC General Service (demand) DERP Avoided Costs Allocated by Firm CP	41
5,816	5,8	5,658 \$	2,774 \$	Ş	Line 38 * Line 39 / 100	SC DERP Avoided Costs	40
715	491,046,715	510,686,159	416,088,164		WP8	Projected SC Retail Sales kWh	39
201	0.001	0.001	0.001		Line 36 / Line 37 * 100	DERP Avoided System Costs (¢/kWh)	38
)83	4,446,396,083	4,482,512,031	4,552,981,616		WP8	Total Projected System kWh Sales	37
663	52,663	49,663 \$	30,356 \$	↔	Line 34 + Line 35	Total DERP Avoided Costs	36
9,933	9,9	9,933	537		DERP Model Output	Shared Solar Program	35
730	42,730	39,730 \$	29,819 \$	↔	DERP Model Output	Purchased Power Agreements	34
	2019	2019	2019		Reference	Description	Line No.
	May	April	March				
	Estimated	Estimated	Estimated				
			100.00%		1,277,055	Total SC	ъ
			0.00%		0	Lighting	4
			32.73%		417,943	General Service (demand)	ω
			6.37%		81,290	General Service (non-demand)	2
			60.91%		777,822	Residential	1

## ELECTRONICALLY FILED - 2019 April 26 10:26 AM - SCPSC - Docket # 2019-1-E - Page 49 of 51

### DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE DISTRIBUTED ENERGY RESOURCE PROGRAM AVOIDED COSTS (OVER) / UNDER RECOVERY - LIGHTING ACTUAL AND ESTIMATED COSTS MARCH 2018 - JUNE 2019

Docket No. 2019-1-F	Page 7	<b>Harrington Exhibit 13</b>
-1 -F	7 of 8	it 13

33	31 32	28 29 30	23 24 25 26 27	Line No. 20 21 22	17 18 19	14 15 16	9 10 11 12 13	6	Line No.	Line No. 1 2 3 4
Cumulative SC Lighting DERP Avoided Costs (Over) / Under Recovery	SC DERP Avoided Costs (Over) / Under Recovery Adjustment(s)	SC Lighting kWh Sales SC Lighting DERP Avoided Costs (¢/kWh) SC Lighting Rate Billed (¢/kWh)	Total System kWh Sales DERP Avoided Costs (¢/kWh) SC Retail Sales kWH SC DERP Avoided Costs SC Lighting DERP Avoided Costs Allocated by Firm CP	Description Purchased Power Agreements Shared Solar Program Total DERP Avoided Costs	SC DERP Avoided Costs (Over) / Under Recovery Prior Year Balance and Misc. Adjustment(s) Cumulative SC Lighting DERP Avoided Costs (Over) / Under Recovery	SC Lighting kWh Sales SC Lighting DERP Avoided Costs (¢/kWh) SC Lighting Rate Billed (¢/kWh)	Total DERP Avoided Costs  Total System kWh Sales DERP Avoided Costs (¢/kWh) SC Retail Sales kWH SC DERP Avoided Costs SC Lighting DERP Avoided Costs Allocated by Firm CP	Purchased Power Agreements Shared Solar Program		Residential General Service (non-demand) Lighting Total SC
Prior Month Cumulative Balance + Line 31 + Line 32	(Line 29 - Line 30)*Line 28 /100	Monthly Fuel Filing Line 27 / Line 28 * 100 2018-1-E	Monthly Fuel Filing Line 22 / Line 23 * 100 Monthly Fuel Filing Line 24 * Line 25 / 100 Line 26 * Line 4	Reference Monthly Fuel Filing Monthly Fuel Filing Line 20 + Line 21	(Line 15 - Line 16)*Line 14/100 2018-1-E Prior Month Cumulative Balance + Line 17 + Line 18	Monthly Fuel Filing Line 13 / Line 14 * 100 2017-1-E, 2018-1-E	Monthly Fuel Filing Line 8 / Line 9 * 100 Monthly Fuel Filing Line 10 * Line 11 / 100 Line 12 * Line 4	Monthly Fuel Filing Monthly Fuel Filing	Reference	Winter 2017 Firm Coincident Peak (CP) KWs 708,895 65,487 424,824 0 1,199,206
₩	↔		<b>ω ω</b>	w w	ۍ ۍ		w w .	٠,		
.' • <b>∽</b>		6,430,052 0.000 0.000	5,427,393,740 0.002 511,359,659 9,105 \$	Actual September 2018 96,632 \$ - 96,632 \$	· · ·	6,689,961 0.000 0.000	48,912 \$ 4,653,962,859 0.001 411,013,563 4,320 \$ - \$		Actual March 2018	CP % 59.11% 5.46% 35.43% 0.00%
' \$	· •	6,790,304 0.000 0.000	5,150,522,556 (0.000) 578,449,399 (1,739) \$	Actual October 2018  (15,529) \$ 49  (15,480) \$	· · · · · · · · · · · · · · · · · · ·	6,728,220 0.000 0.000	62,995 \$ 4,494,045,504 0.001 533,237,463 7,475 \$		Actual April 2018	Winter 2018 Firm Coincident Peak (CP) KWs 777,822 81,290 417,943 0 1,277,055
' \$	' \$5	6,559,351 0.000 0.000	4,723,872,382 0.001 505,054,037 6,453 \$ - \$	Actual November 2018 60,191 \$ 167 60,358 \$	· · · · · · · · · · · · · · · · · · ·	6,641,827 0.000 0.000	67,141 \$ 4,644,699,960 0.001 461,633,361 6,673 \$ - \$		Actual May 2018	CP % 60.91% 6.37% 32.73% 0.00%
' <b>⊹</b>	' •	6,430,252 0.000 0.000	4,828,127,846 0.000 445,338,979 2,073 \$	Actual December 2018  22,291 \$ 186 22,477 \$	· · · · · · · · · · · · · · · · · · ·	6,621,076 0.000 0.000	25,125 \$ 5,677,792,552 0.000 523,124,836 2,315 \$ - \$		Actual June 2018	
' •	•	6,581,684 0.000 0.000	5,615,989,658 (0.001) 605,279,111 (3,632) \$ - \$	Actual January 2019  (33,874) \$ 176  (33,698) \$	· · · · ·	6,680,462 0.000 0.000	56,29/ \$ 6,164,634,934 0.001 658,136,492 6,010 \$ - \$		Actual July 2018	
' \$^	' \$5	6,553,176 0.000 0.000	5,087,626,427 0.001 555,508,005 4,228 \$ - \$	Actual February 2019 38,071 \$ 648 38,719 \$		6,850,282 0.000 0.000	158,899 6,200,477,072 0.003 621,746,700 15,933		Actual August 2018	
		79,556,647 0.000	62,669,145,490 6,409,881,605 59,214	Review Period Twelve Months Ended Feb 2019 587,151 1,226 588,377						

### DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE DISTRIBUTED ENERGY RESOURCE PROGRAM AVOIDED COSTS (OVER) / UNDER RECOVERY - LIGHTING ACTUAL AND ESTIMATED COSTS MARCH 2018 - JUNE 2019

Line No.

Class

Winter 2018 Firm Coincident Peak (CP) KWs

CP %

Harrington Exhibit 13
Page 8 of 8
Docket No. 2019-1-E

96,075,184 <b>0.000</b>						WP8a Line 47 / Line 48 * 100	SC Projected Lighting kWh Sales Jul'19-Jun'20 SC Lighting DERP Avoided Increment / (Decrement) (¢/kWh)	48 49
ı	<b>.</b>	' <b>⊹</b>	<b>⋄</b>	· •	❖	Prior Month Cumulative Balance + Line 45 + Line 46	Cumulative SC Lighting DERP Avoided Costs (Over) / Under Recovery	47
1 1	,	- \$	<b>⊹</b>	' <b>⊹</b>	❖	(Line 43 - Line 44)*Line 42 /100	SC DERP Avoided Costs (Over) / Under Recovery Adjustment(s)	45 46
	0.000	0.000	0.000	0.000		Line 41 / Line 42 * 100 2018-1-E	SC Lighting DERP Avoided Costs (¢/kWh) SC Lighting Rate Billed (¢/kWh)	43 44
109,469,856	8,021,643	7,703,947	7,639,378	6,548,241		WP8a	Projected SC Lighting kWh Sales	42
ı	,	,	1			Line 40 * Line 4	SC Lighting DERP Avoided Costs Allocated by Firm CP	41
78,625	5,163 \$	5,816 \$	5,658 \$	2,774 \$	\$	Line 38 * Line 39 / 100	SC DERP Avoided Costs	40
8,368,739,314	541,036,670	491,046,715	510,686,159	416,088,164		WP8	Projected SC Retail Sales kWH	39
	0.001	0.001	0.001	0.001		Line 36 / Line 37 * 100	DERP Avoided Costs (¢/kWh)	38
81,355,454,312	5,204,419,092	4,446,396,083	4,482,512,031	4,552,981,616		WP8	Total Projected System kWh Sales	37
770,721	49,663 \$	52,663 \$	49,663 \$	30,356 \$	\$	Line 34 + Line 35	Total DERP Avoided Costs	36
31,560	9,933	9,933	9,933	537		DERP Model Output	Shared Solar Program	35
739,161	39,730 \$	42,730 \$	39,730 \$	29,819 \$	<b>ب</b>	DERP Model Output	Purchased Power Agreements	34
June 2019	2019	2019	2019	2019		Reference	Description	Line No.
<b>Months Ended</b>	June N	May	April	March				
Sixteen	Estimated	Estimated	Estimated	Estimated				
				100.00%		1,277,055	Total SC	ъ
				0.00%		0	Lighting	4
				32.73%		417,943	General Service (demand)	ω
				6.37%		81,290	General Service (non-demand)	2
				60.91%		777,822	Residential	1

### Harrington Exhibit 14 Docket No. 2019-1-E

### DUKE ENERGY PROGRESS, LLC SOUTH CAROLINA RETAIL FUEL CASE PROJECTED DISTRIBUTED ENERGY RESOURCE PROGRAM AVOIDED COSTS FOR THE 12 MONTHS JULY 2019 TO JUNE 2020

33 Projected St 34 General Ser	SC DERP Av 30 Residential 31 General Ser 32 Lighting	21 General Ser 22 General Ser 23 Lighting 24 Total SC  Projected S  25 Residential 26 General Ser 27 General Ser 28 Lighting 29 Total SC	13 Purchased Power Agree 14 Shared Solar Program 15 Total DERP Avoided Co. 16 Projected Total System 17 DERP Avoided System 18 Projected SC Retail Sale 19 SC DERP Avoided Costs SC DERP Avoided Costs 20 Residential	6 Purchased Power Agree 7 Shared Solar Program 8 Total DERP Avoided Co. 9 Projected Total System 10 DERP Avoided System 11 Projected SC Retail Sale 12 SC DERP Avoided Costs	1 Residential 2 General Ser 3 General Ser 4 Lighting 5 Total SC
Projected SC KW Sales (General Service demand) General Service (Demand) charge for SC DERP Avoided Costs	SC DERP Avoided Costs ¢/kWh Residential General Service (non-demand) Lighting	General Service (non-demand) Lighting Total SC  Projected SC Retail Sales kWh for the 12 month period Residential General Service (non-demand) General Service (demand) Lighting Total SC	Purchased Power Agreements Shared Solar Program Total DERP Avoided Costs  Projected Total System Sales DERP Avoided System Costs (c/Kwh) Projected SC Retail Sales SC DERP Avoided Costs  SC DERP Avoided Costs Allocated on Firm CP kWs Residential	Purchased Power Agreements Shared Solar Program Total DERP Avoided Costs  Projected Total System Sales DERP Avoided System Costs (¢/Kwh) Projected SC Retail Sales SC DERP Avoided Costs  Description	Residential General Service (non-demand) General Service (demand) Lighting Total SC  Description
WP8a Line 22 / Line 33 * 100	Line 20 / Line 25 * 100 Line 21 / Line 26 * 100 Line 23 / Line 28 * 100	Total Line 19 * Line 3 Total Line 19 * Line 4 Sum Lines 20 through 23  WP8a WP8a WP8a WP8a WP8a Sum Lines 25 through 28	DERP Model Output DERP Model Output Line 13 + Line 14  WP8 Line 15 / Line 16 *100 WP8 Line 17 * Line 18 /100  Total Line 19 * Line 1	DERP Model Output DERP Model Output Line 6 + Line 7  WP8 Line 8 / Line 9 *100 WP8 Line 10 * Line 11 /100  Reference	777,822 81,290 417,943 0 1,277,055 Reference
			\$ 110,458 \$ 9,860 \$ 120,318 \$ 5,679,535,820 0.002 605,095,272 \$ 12,819 \$	\$ 39,640 \$ 9,910 \$ 9,910 \$ \$ 49,550 \$ \$ 49,550 \$ \$ 615,370,381 \$ 5,121 \$ <b>January</b>	60.91% 6.37% 32.73% 0.00% 100.00% July 2019
			110,458 \$ 9,860 120,318 \$ 5,466,072,140 0.002 594,590,939 13,088 \$	39,640 \$ 9,910 49,550 \$ 6,010,985,735 0.001 630,455,795 5,197 \$  February 2020	August 2019
			110,458 \$ 9,860 120,318 \$ 5,022,976,178 0.002 555,942,153 13,317 \$	39,640 \$ 9,910 49,550 \$ 5,482,284,590 0.001 602,829,492 5,448 \$  March 2020	September 2019
			110,458 \$ 9,860 120,318 \$ 4,423,919,449 0.003 512,389,178 13,936 \$	39,640 \$ 9,910 49,550 \$ 4,671,693,496 0.001 524,692,648 5,565 \$  April 2020	October 2019
			113,458 \$ 9,860 123,318 \$ 4,396,701,438 0.003 493,993,336 13,855 \$	39,640 \$ 9,910 49,550 \$ 4,595,842,719 0.001 500,969,344 5,401 \$  May 2020	November 2019
		-	110,458 \$ 9,860 120,318 \$ 5,136,235,584 0.002 541,309,853 12,680 \$	39,640 9,910 49,550 5,172,638,730 0.001 552,701,752 5,294 June June	December 2019
9,063,849 <b>0.000</b>	0.003 0.002 0.000	2,301,521,005 299,773,076 4,032,970,877 96,075,184 6,730,340,143	903,585 118,622 1,022,207 62,012,495,267 0.002 6,730,340,143 111,722 68,047	Billing Period Twelve Months Ended June 2020	